

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U082819\
 Data File : VU033974.D
 Acq On : 27 Aug 2019 15:30
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 8/28/2019 9:57:46 AM

Quant Time: Aug 28 02:19:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 28 01:57:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	340837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	504784	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	484608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	259415	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.29	65	77614	16.31	ug/l	0.00
Spiked Amount			Recovery	=	32.62%	
35) Dibromofluoromethane	4.86	113	68632	19.31	ug/l	0.00
Spiked Amount			Recovery	=	38.62%	
50) Toluene-d8	7.55	98	263351	20.07	ug/l	0.00
Spiked Amount			Recovery	=	40.14%	
62) 4-Bromofluorobenzene	10.29	95	93642	18.69	ug/l	0.00
Spiked Amount			Recovery	=	37.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	74693	19.331	ug/l	99
3) Chloromethane	1.32	50	82032	17.740	ug/l	99
4) Vinyl Chloride	1.40	62	71372	14.225	ug/l	97
5) Bromomethane	1.61	94	41981	15.275	ug/l	99
6) Chloroethane	1.68	64	41748	13.231	ug/l	96
7) Trichlorofluoromethane	1.87	101	93018	15.243	ug/l	99
8) Diethyl Ether	2.09	74	33830	13.082	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	58906	16.431	ug/l	99
10) Methyl Iodide	2.40	142	88477	22.147	ug/l	99
11) Tert butyl alcohol	2.81	59	94354	94.165	ug/l #	88
12) 1,1-Dichloroethene	2.27	96	61020	16.587	ug/l	97
13) Acrolein	2.18	56	30505	56.120	ug/l	100
14) Allyl chloride	2.58	41	106686	16.103	ug/l	98
15) Acrylonitrile	2.92	53	207878	81.138	ug/l	98
16) Acetone	2.31	43	180344	65.313	ug/l	99
17) Carbon Disulfide	2.46	76	194065	16.062	ug/l	99
18) Methyl Acetate	2.60	43	92105	14.926	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	207870	17.734	ug/l	99
20) Methylene Chloride	2.68	84	77550	17.061	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	70322	17.366	ug/l	97
22) Diisopropyl ether	3.55	45	205196	16.390	ug/l	99
23) Vinyl Acetate	3.50	43	872045	84.551	ug/l	99
24) 1,1-Dichloroethane	3.42	63	126359	16.274	ug/l	100
25) 2-Butanone	4.24	43	270973	76.047	ug/l	100
26) 2,2-Dichloropropane	4.20	77	105051	16.625	ug/l	100
27) cis-1,2-Dichloroethene	4.20	96	77396	17.766	ug/l	100
28) Bromochloromethane	4.52	49	56556	14.877	ug/l	100
29) Tetrahydrofuran	4.62	42	169845	79.084	ug/l	99
30) Chloroform	4.65	83	126951	16.383	ug/l	99
31) Cyclohexane	4.97	56	114822	16.913	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	111158	17.476	ug/l	99
36) 1,1-Dichloropropene	5.12	75	90832	17.820	ug/l	97
37) Ethyl Acetate	4.36	43	98019	16.556	ug/l	100
38) Carbon Tetrachloride	5.11	117	98403	19.168	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	111442	19.622	ug/l	99
40) Benzene	5.37	78	289633	19.104	ug/l	98
41) Methacrylonitrile	4.52	41	51964	17.494	ug/l	98
42) 1,2-Dichloroethane	5.38	62	98430	17.764	ug/l	99
43) Isopropyl Acetate	5.53	43	147899	17.080	ug/l	100
44) Trichloroethene	6.17	130	79795	19.927	ug/l	97
45) 1,2-Dichloropropane	6.41	63	77431	18.520	ug/l	99
46) Dibromomethane	6.54	93	51968	19.158	ug/l	98
47) Bromodichloromethane	6.74	83	99395	18.264	ug/l	97
48) Methyl methacrylate	6.60	41	69414	17.840	ug/l	100
49) 1,4-Dioxane	6.59	88	38864	422.975	ug/l #	99
51) 4-Methyl-2-Pentanone	7.44	43	512964	87.469	ug/l	100
52) Toluene	7.62	92	179826	20.307	ug/l	97
53) t-1,3-Dichloropropene	7.86	75	107356	19.044	ug/l	96
54) cis-1,3-Dichloropropene	7.25	75	118554	18.877	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	73753	18.994	ug/l	99
56) Ethyl methacrylate	8.00	69	105600	20.019	ug/l	98
57) 1,3-Dichloropropane	8.22	76	124292	18.515	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	174965	92.918	ug/l	98
59) 2-Hexanone	8.34	43	396196	88.591	ug/l	99
60) Dibromochloromethane	8.46	129	84724	20.672	ug/l	97
61) 1,2-Dibromoethane	8.57	107	80469	19.937	ug/l	97
64) Tetrachloroethene	8.21	164	84155	23.520	ug/l	97
65) Chlorobenzene	9.10	112	203728	20.367	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	75710	20.391	ug/l	98
67) Ethyl Benzene	9.23	91	344003	21.063	ug/l	99
68) m/p-Xylenes	9.36	106	275168	45.513	ug/l	99
69) o-Xylene	9.76	106	127408	22.032	ug/l	98
70) Styrene	9.77	104	225018	22.526	ug/l	100
71) Bromoform	9.94	173	65631	20.911	ug/l #	98
73) Isopropylbenzene	10.15	105	350595	21.920	ug/l	100
74) N-amyl acetate	10.00	43	126325	18.808	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	121816	18.191	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	113016m	19.170	ug/l	
77) Bromobenzene	10.43	156	96738	22.411	ug/l	99
78) n-propylbenzene	10.57	91	397683	21.020	ug/l	99
79) 2-Chlorotoluene	10.64	91	242492	21.364	ug/l	99
80) 1,3,5-Trimethylbenzene	10.76	105	306957	22.432	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	31188m	14.476	ug/l	
82) 4-Chlorotoluene	10.76	91	273638	20.543	ug/l	100
83) tert-Butylbenzene	11.08	119	286539	22.363	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	302665	22.765	ug/l	99
85) sec-Butylbenzene	11.30	105	348833	21.792	ug/l	100
86) p-Isopropyltoluene	11.46	119	328059	22.485	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	168698	20.735	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	169654	20.193	ug/l	99
89) n-Butylbenzene	11.87	91	268053	20.593	ug/l	98
90) Hexachloroethane	12.12	117	51067	18.193	ug/l	97
91) 1,2-Dichlorobenzene	11.86	146	168455	21.581	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	25060	18.197	ug/l	99

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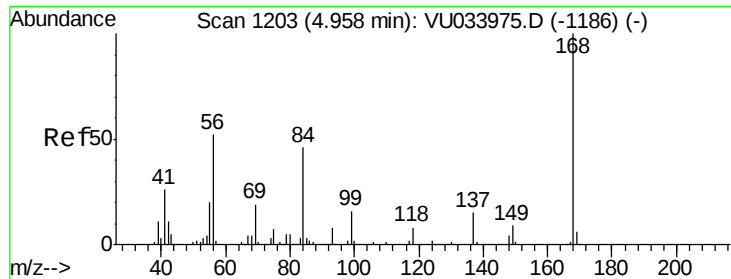
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	103950	22.059	ug/l	99
94) Hexachlorobutadiene	13.68	225	68749	23.163	ug/l	98
95) Naphthalene	13.73	128	271773	21.080	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	103937	21.942	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 340837

Ion Ratio Lower Upper

168 100

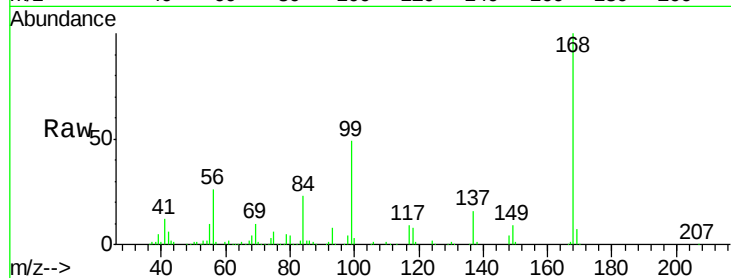
99 48.9 39.4 59.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU033974.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU033974.D (-1186) (-)

4.96

150000

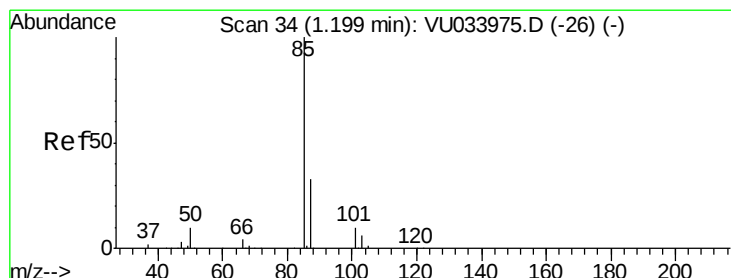
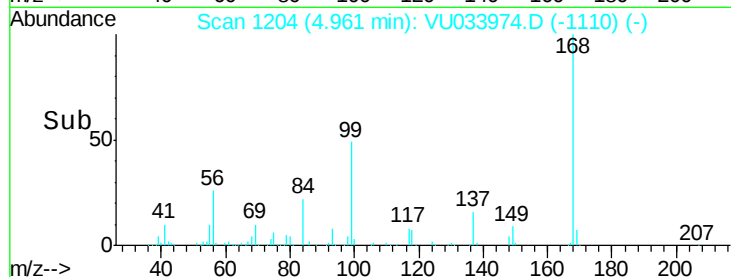
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.331 ug/l

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033974.D

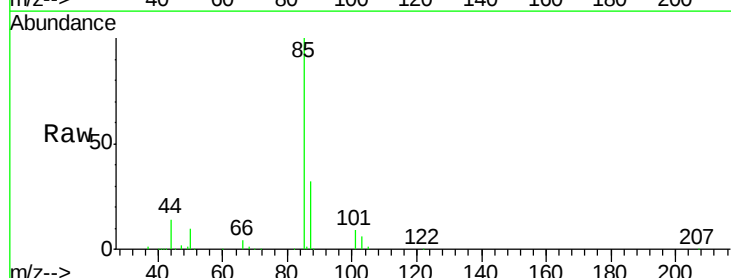
Acq: 27 Aug 2019 15:30

Tgt Ion: 85 Resp: 74693

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VU033974.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU033974.D (-1) (-)

1.20

80000

60000

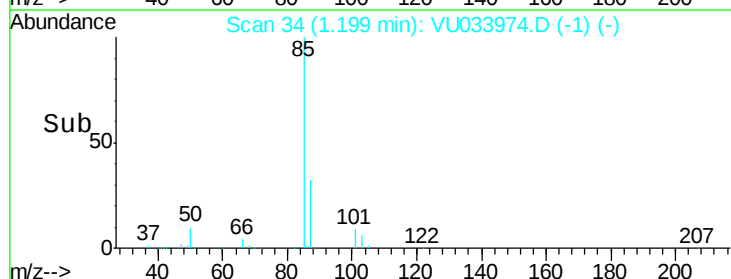
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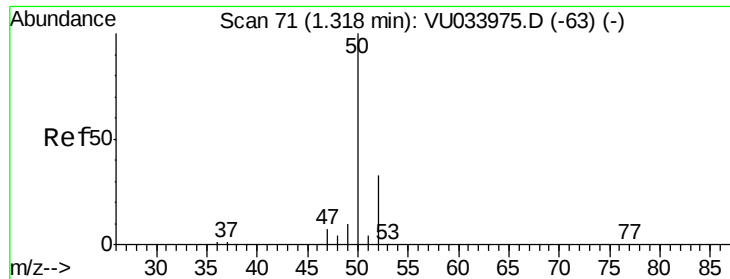
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 17.740 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 82032

Ion Ratio Lower Upper

50 100

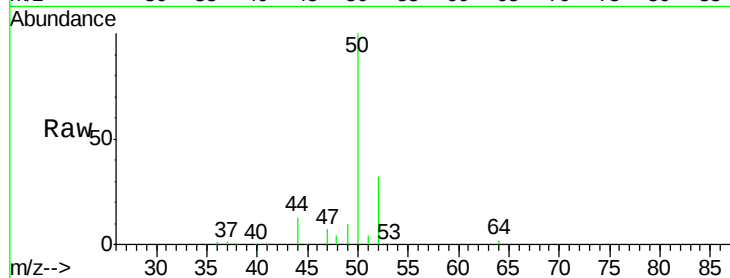
52 32.2 26.2 39.2

Manual Integrations

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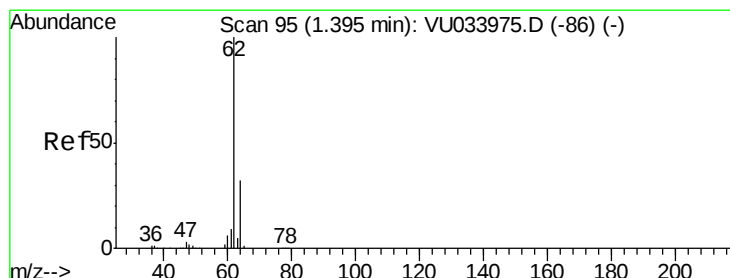
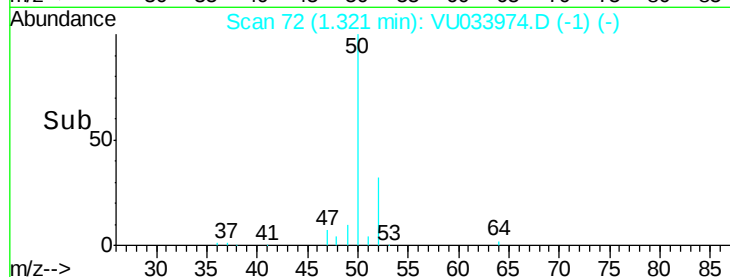
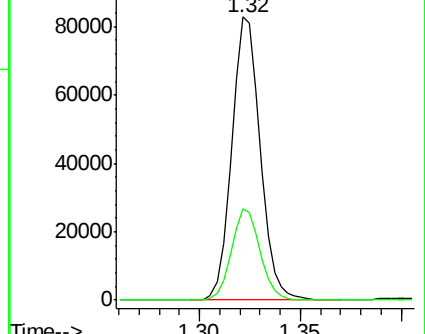
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Abundance Ion 49.90 (49.60 to 50.60): VU033975.D (-63) (-)

Ion 51.90 (51.60 to 52.60): VU033975.D (-63) (-)



#4

Vinyl Chloride

Concen: 14.225 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU033974.D

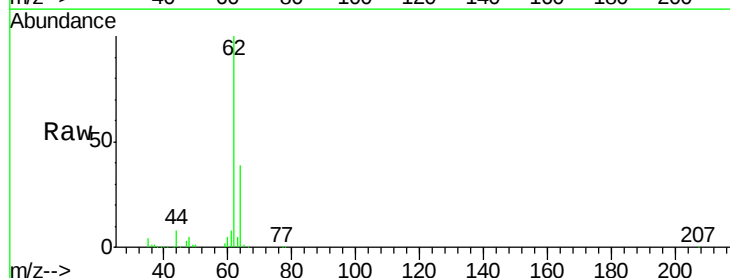
Acq: 27 Aug 2019 15:30

Tgt Ion: 62 Resp: 71372

Ion Ratio Lower Upper

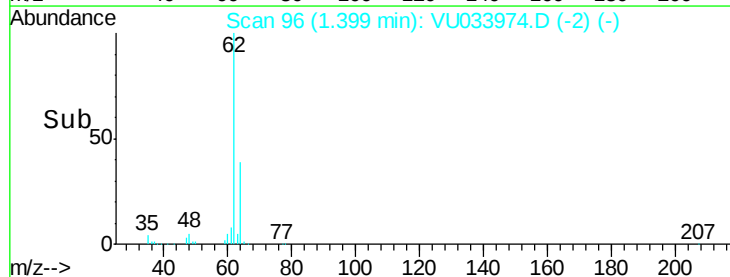
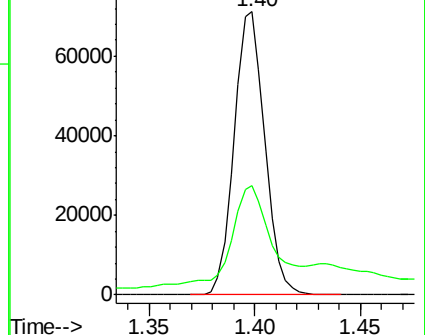
62 100

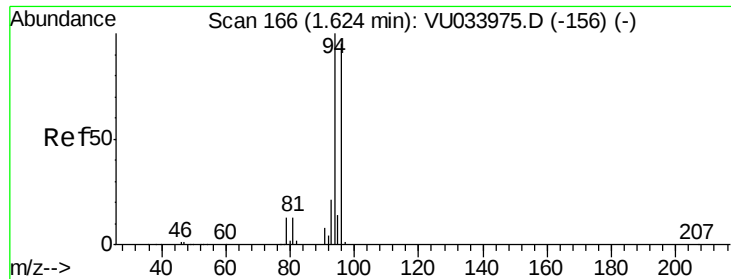
64 34.0 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VU033975.D (-86) (-)

Ion 63.90 (63.60 to 64.60): VU033975.D (-86) (-)





#5

Bromomethane

Concen: 15.275 ug/l

RT: 1.61 min Scan# 161

Delta R.T. -0.02 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 41981

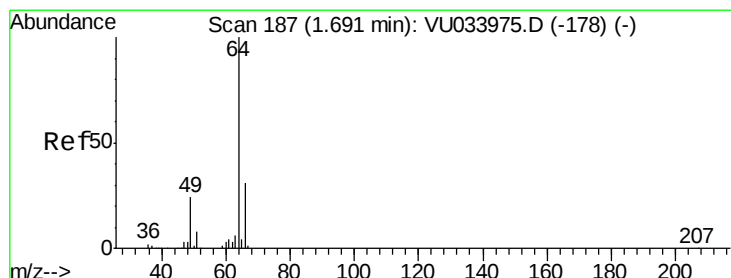
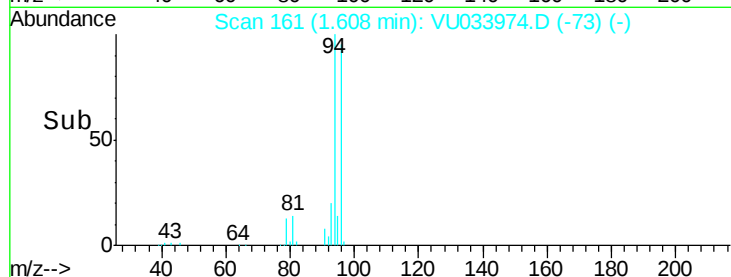
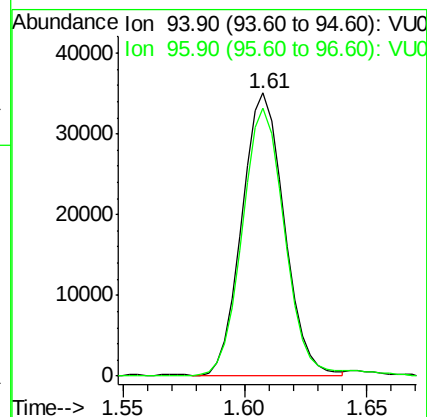
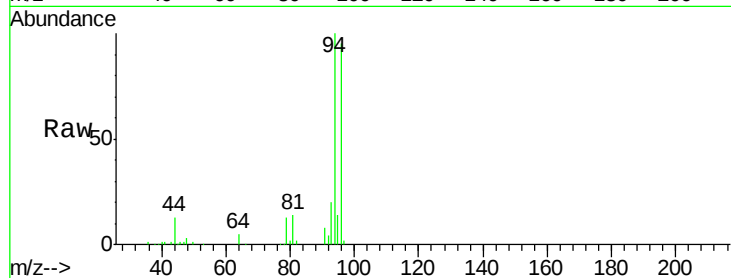
Ion Ratio Lower Upper

94 100

96 94.6 76.3 114.5

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#6

Chloroethane

Concen: 13.231 ug/l

RT: 1.68 min Scan# 185

Delta R.T. -0.01 min

Lab File: VU033974.D

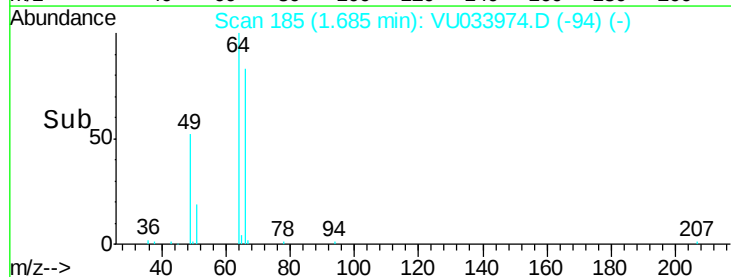
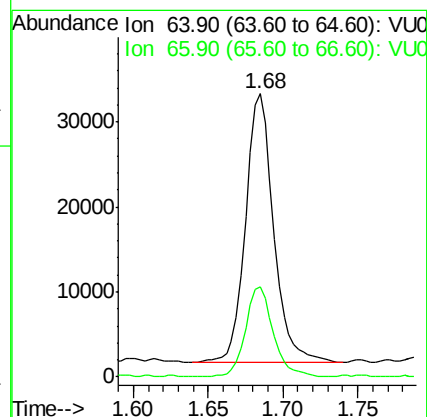
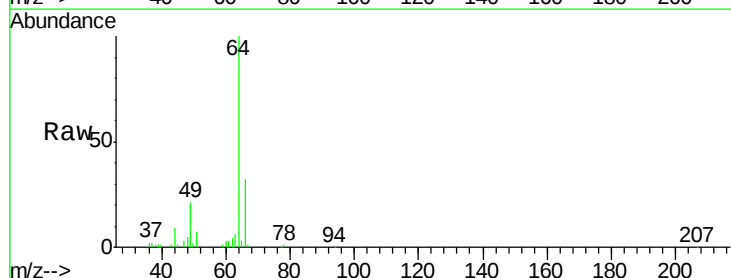
Acq: 27 Aug 2019 15:30

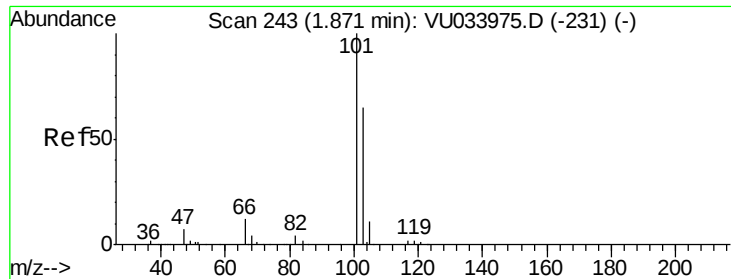
Tgt Ion: 64 Resp: 41748

Ion Ratio Lower Upper

64 100

66 33.3 24.9 37.3





#7

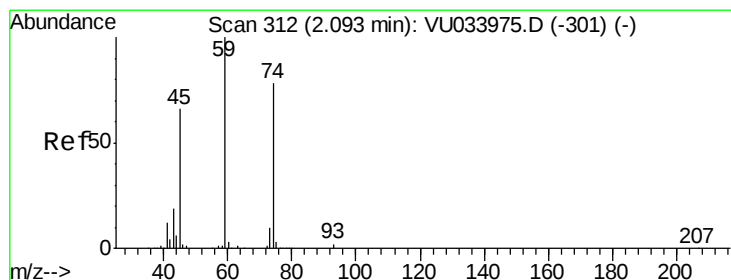
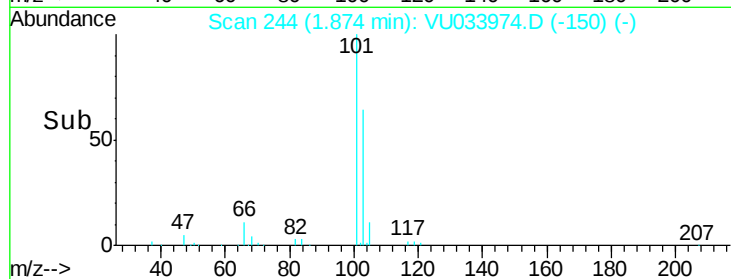
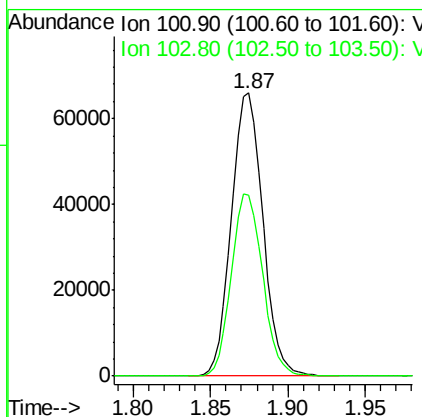
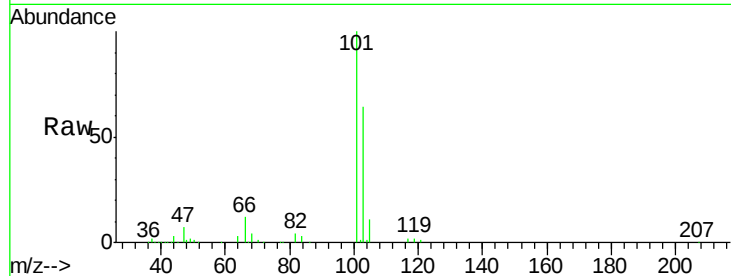
Trichlorofluoromethane
 Concen: 15.243 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. 0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Instrument :
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 VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.0	78.0

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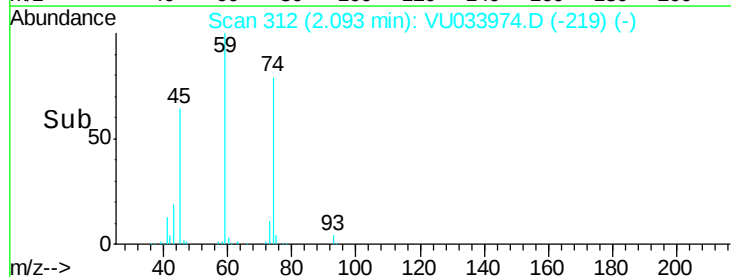
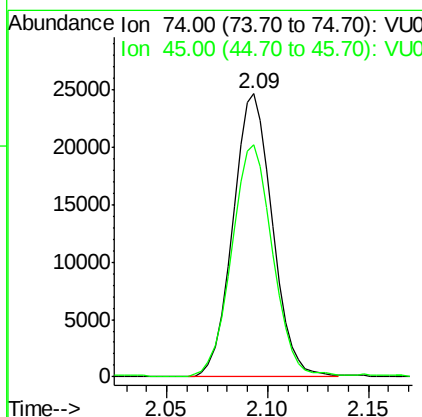
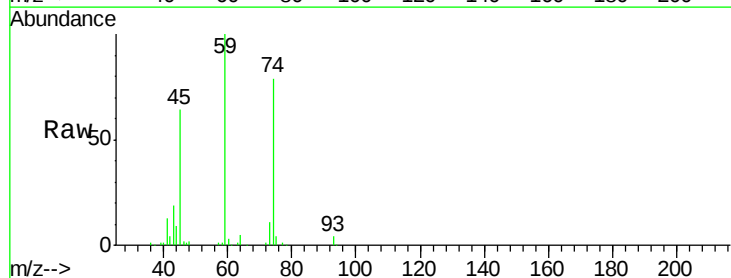
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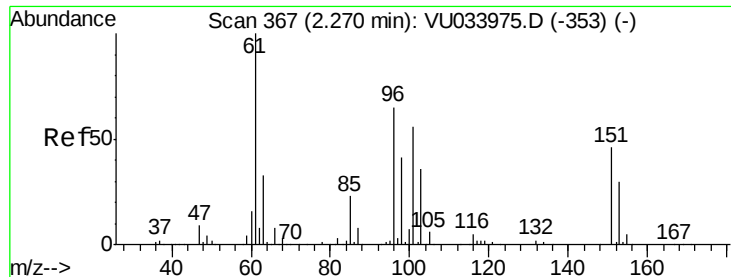


#8

Diethyl Ether
 Concen: 13.082 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. -0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.5	42.8	128.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.431 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

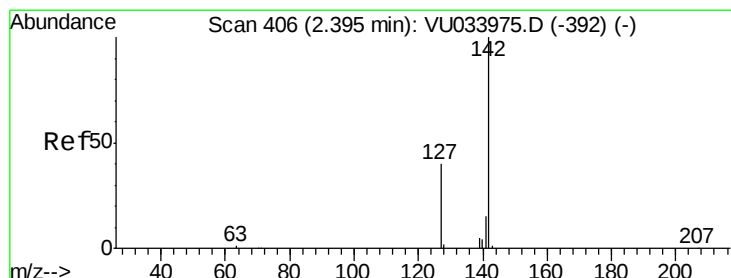
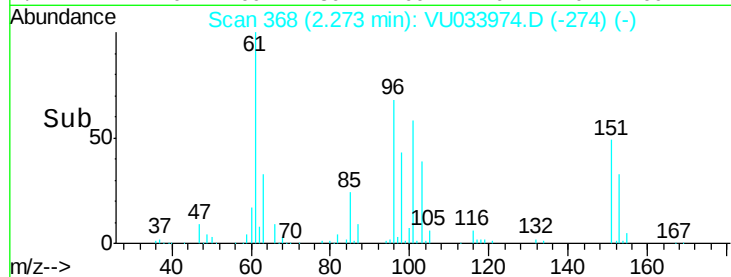
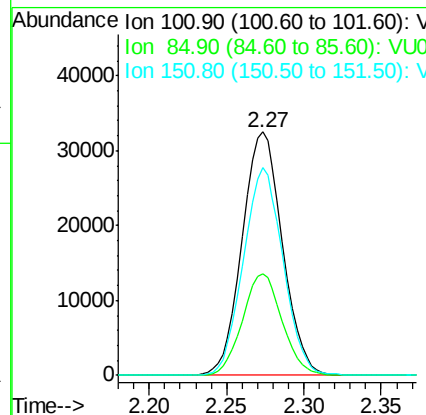
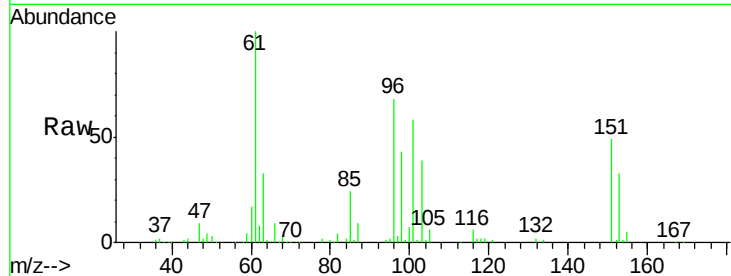
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	58906
Ion Ratio	Lower	Upper	
101	100		
85	41.1	33.4	50.0
151	84.1	67.6	101.4

Manual Integrations
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#10

Methyl Iodide

Concen: 22.147 ug/l

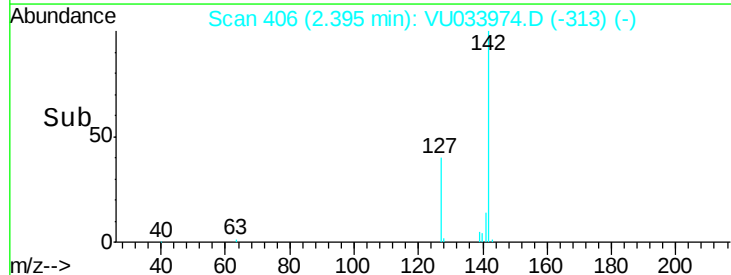
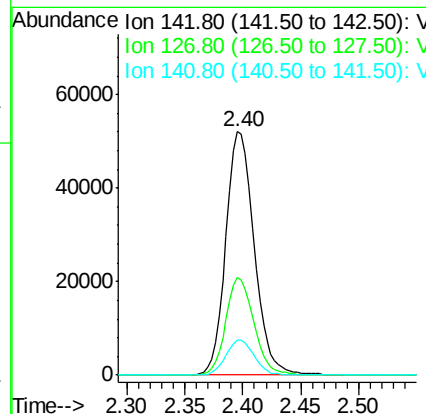
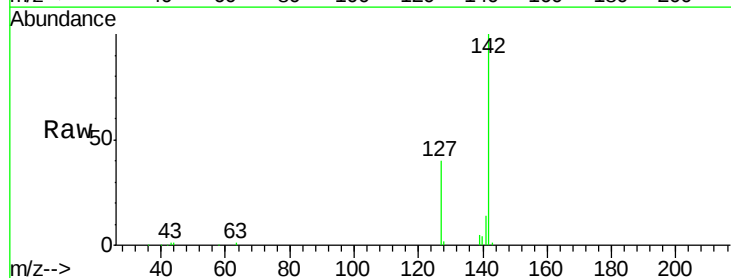
RT: 2.40 min Scan# 406

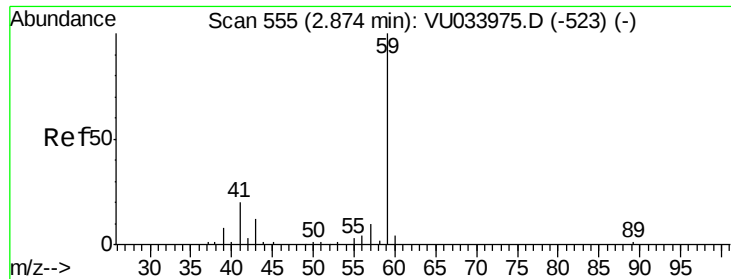
Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Tgt Ion:	142	Resp:	88477
Ion Ratio	Lower	Upper	
142	100		
127	39.4	32.2	48.2
141	14.2	11.8	17.8





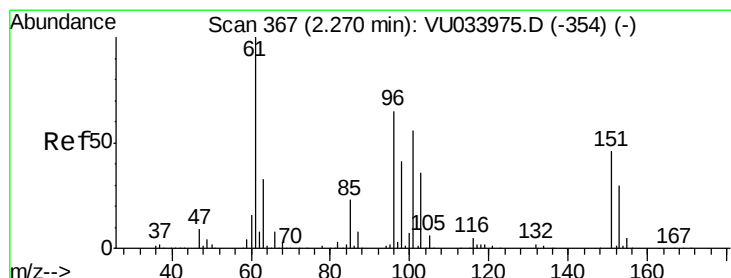
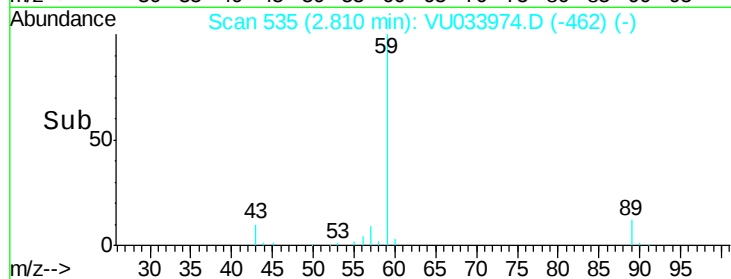
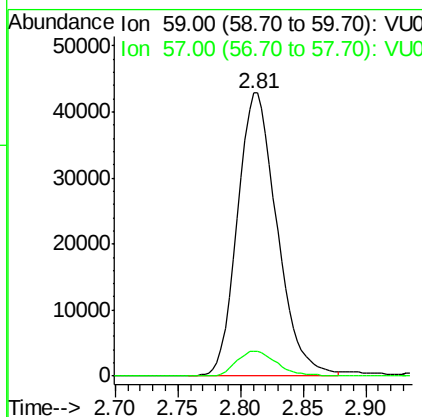
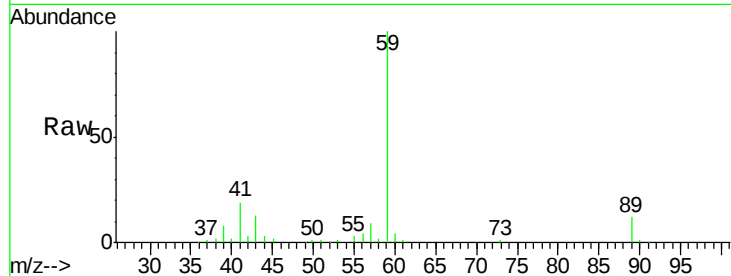
#11
Tert butyl alcohol
Concen: 94.165 ug/l
RT: 2.81 min Scan# 535
Delta R.T. -0.06 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.9	3.9	5.9#

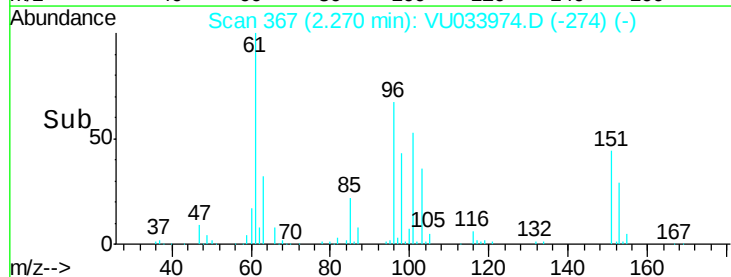
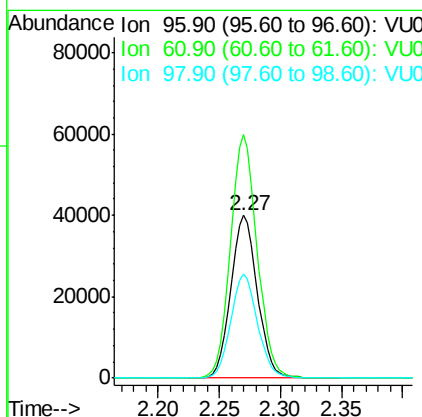
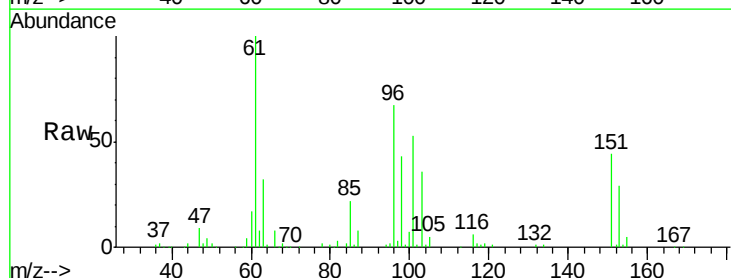
Manual Integrations
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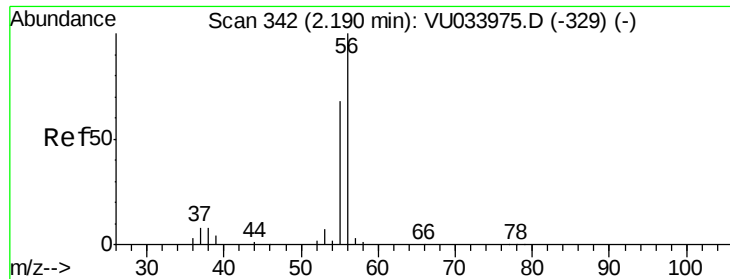
MMDadoda
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#12
1,1-Dichloroethene
Concen: 16.587 ug/l
RT: 2.27 min Scan# 367
Delta R.T. -0.00 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.9	123.3	184.9
98	64.0	50.5	75.7





#13

Acrolein

Concen: 56.120 ug/l

RT: 2.18 min Scan# 340

Delta R.T. -0.01 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 30505

Ion Ratio Lower Upper

56 100

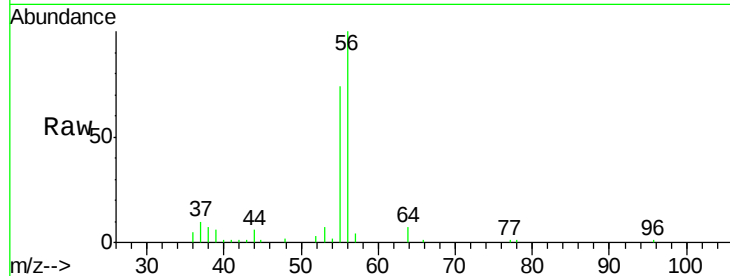
55 72.2 58.0 87.0

Manual Integrations

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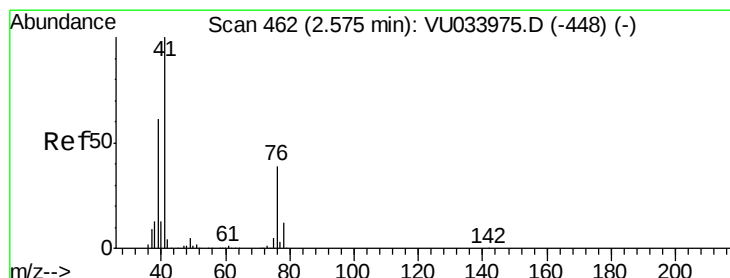
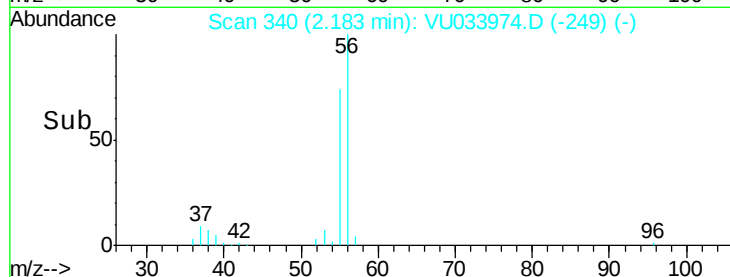
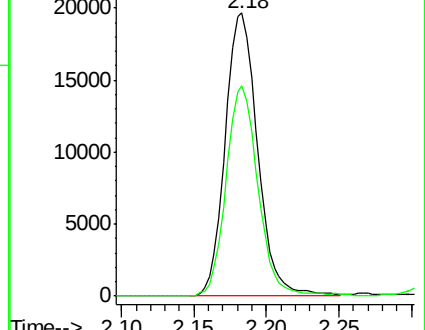
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Abundance Ion 56.00 (55.70 to 56.70): VU033975.D (-329) (-)

Ion 55.00 (54.70 to 55.70): VU033975.D (-329) (-)



#14

Allyl chloride

Concen: 16.103 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

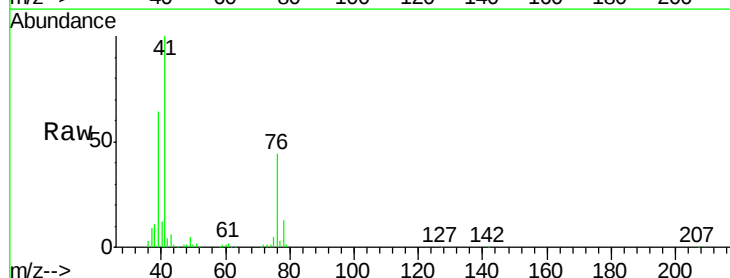
Tgt Ion: 41 Resp: 106686

Ion Ratio Lower Upper

41 100

39 58.4 45.9 68.9

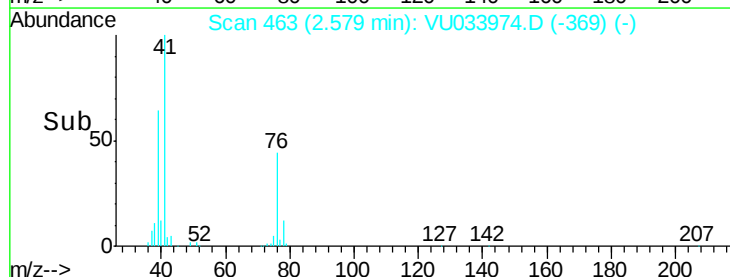
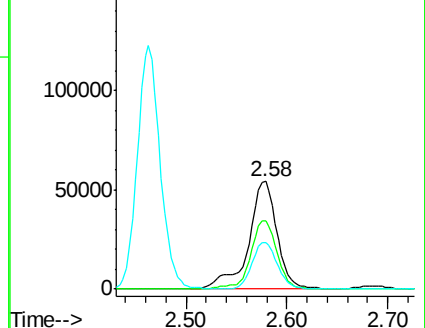
76 38.2 29.4 44.2

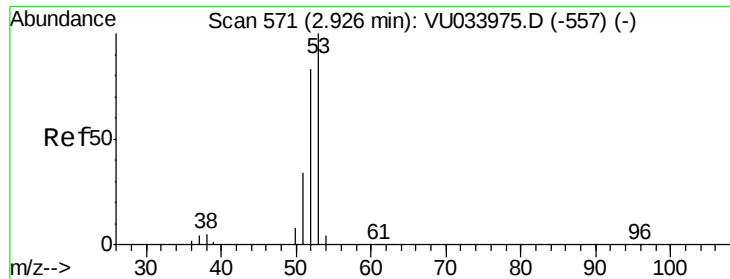


Abundance Ion 41.00 (40.70 to 41.70): VU033975.D (-448) (-)

Ion 39.00 (38.70 to 39.70): VU033975.D (-448) (-)

Ion 75.90 (75.60 to 76.60): VU033975.D (-448) (-)





#15

Acrylonitrile

Concen: 81.138 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.01 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

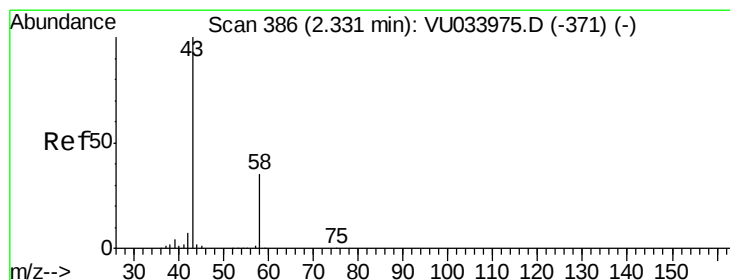
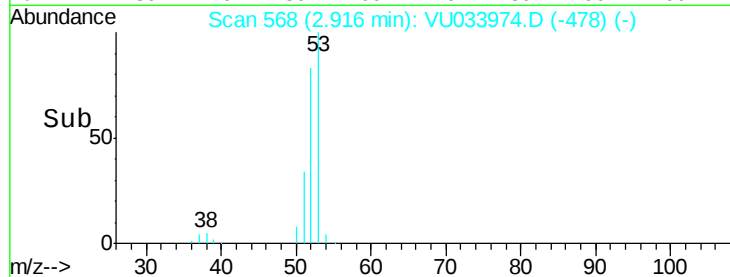
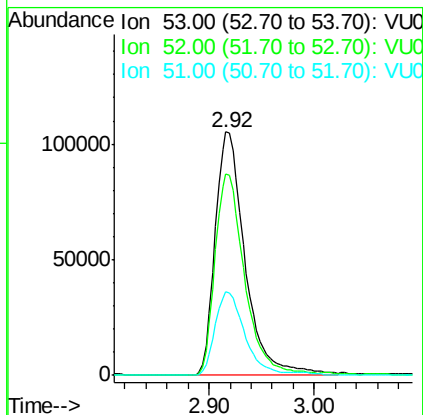
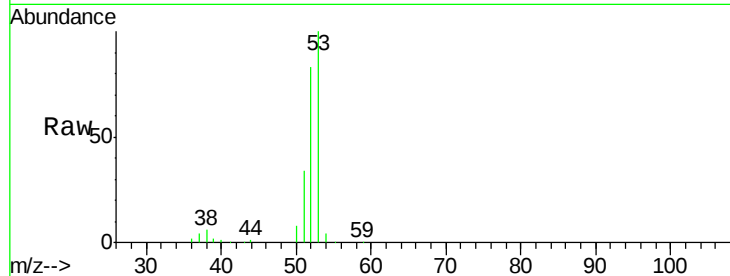
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	207878
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.7	100.1
51	33.6	27.5	41.3

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#16

Acetone

Concen: 65.313 ug/l

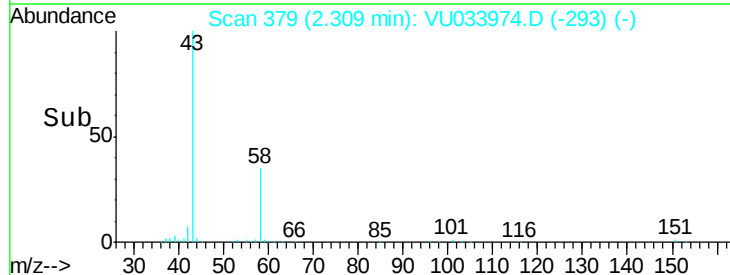
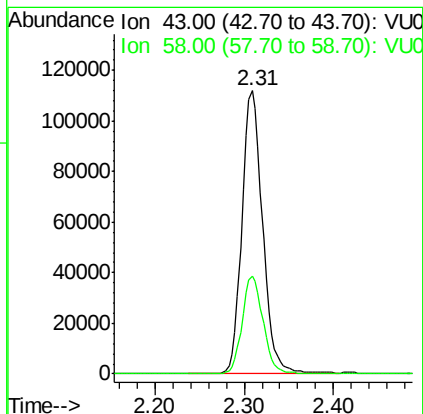
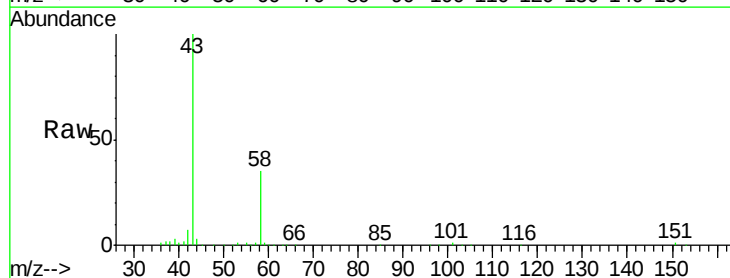
RT: 2.31 min Scan# 379

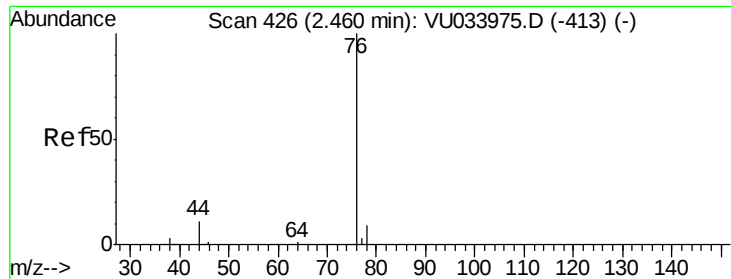
Delta R.T. -0.02 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Tgt Ion:	43	Resp:	180344
Ion Ratio	Lower	Upper	
43	100		
58	34.7	28.0	42.0





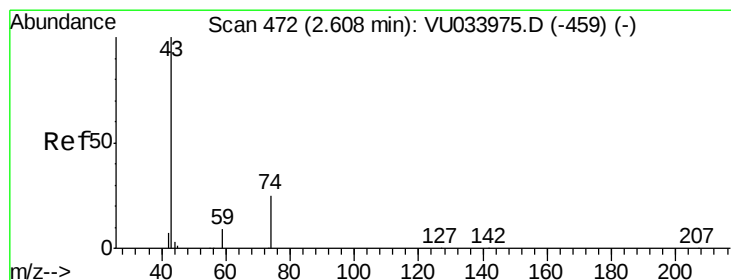
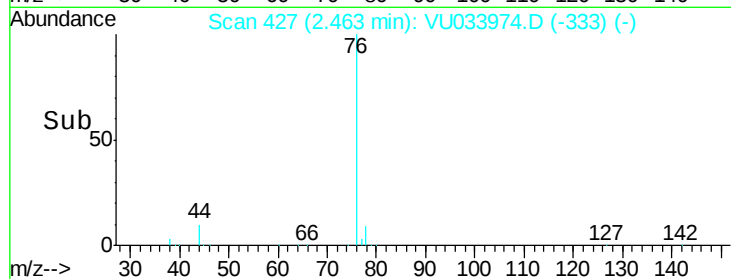
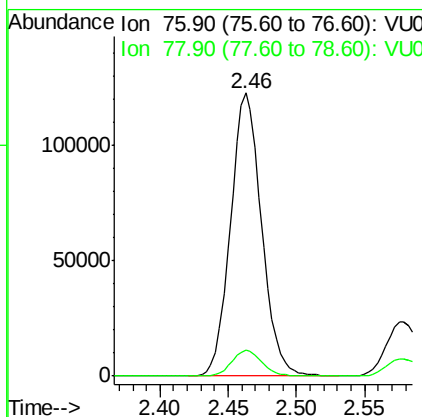
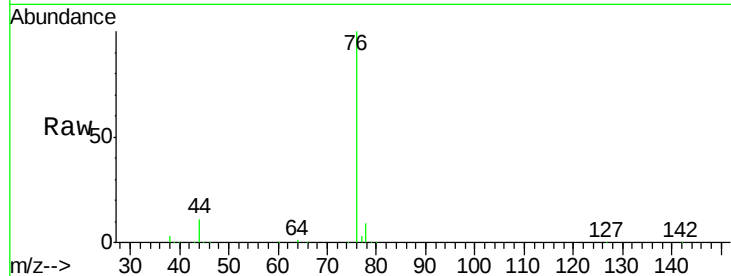
#17
Carbon Disulfide
Concen: 16.062 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.5	11.3

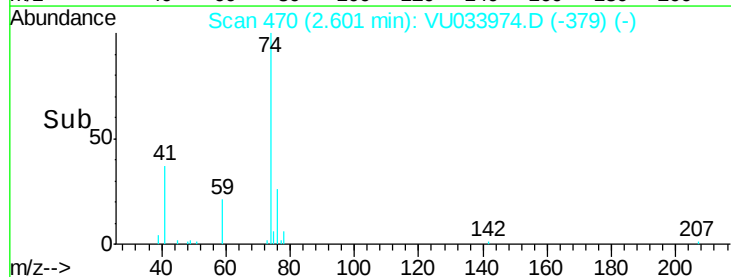
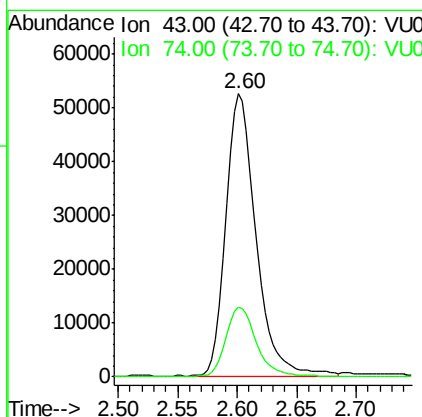
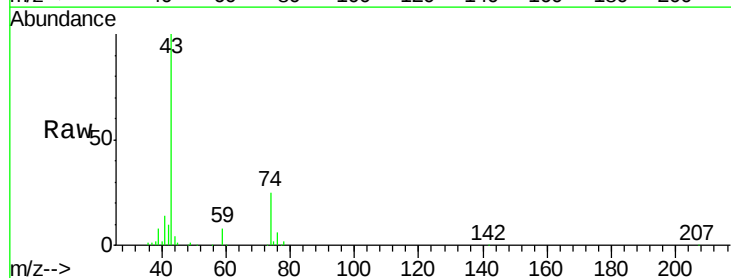
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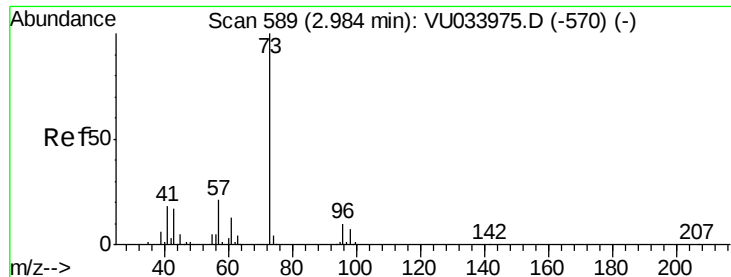
MMDadoda
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#18
Methyl Acetate
Concen: 14.926 ug/l
RT: 2.60 min Scan# 470
Delta R.T. -0.01 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	20.5	30.7





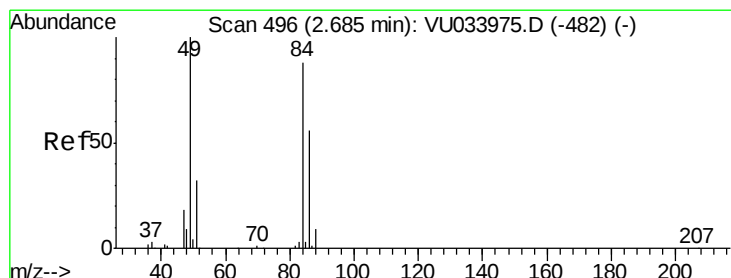
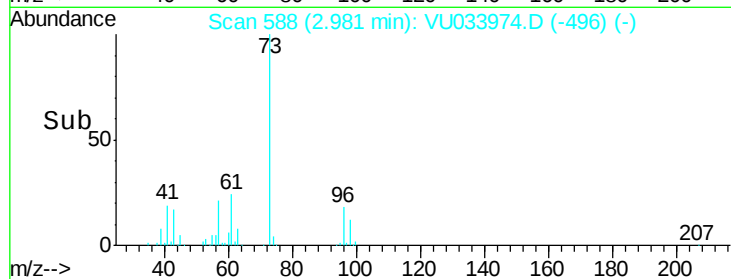
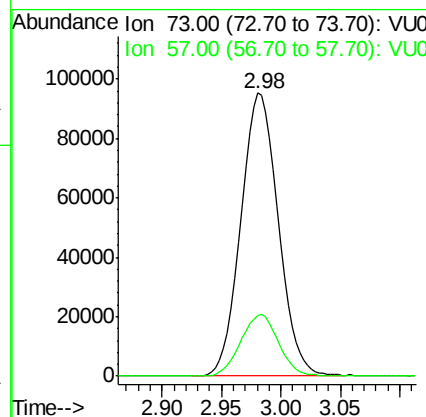
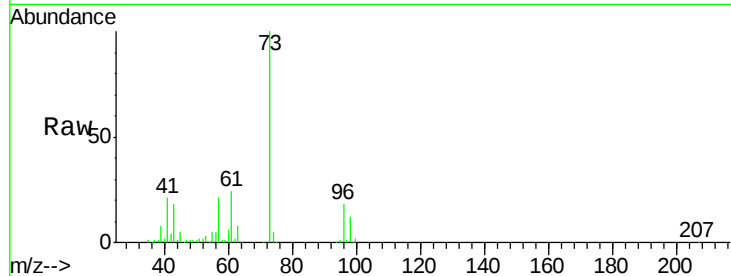
#19
Methvl tert-butvl Ether
Concen: 17.734 ug/l
RT: 2.98 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	73	Resp	207870
Ion Ratio	100	Lower	Upper
73	100	17.5	26.3
57	21.4		

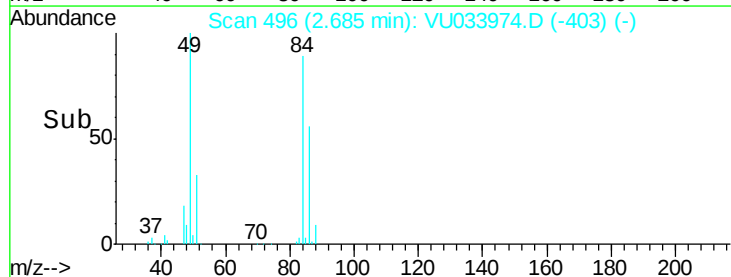
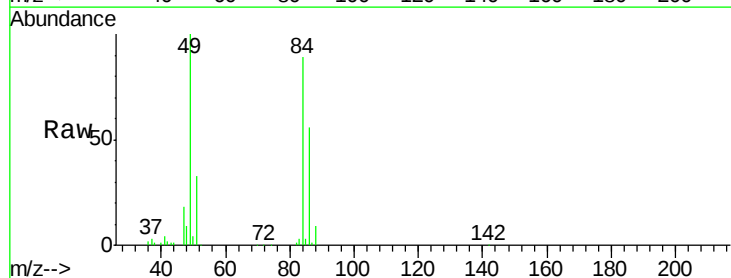
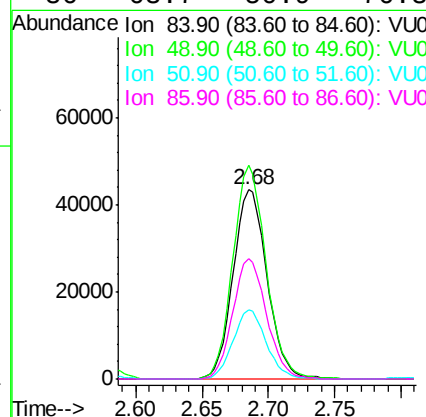
Manual Integrations
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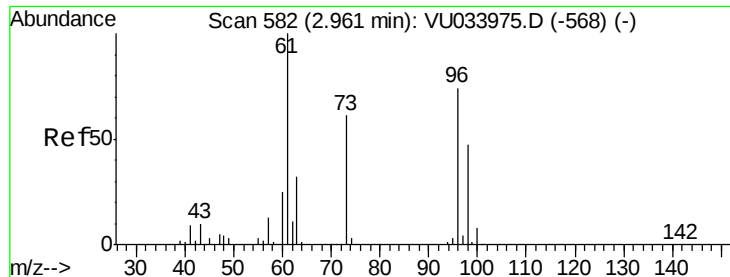
MMDadoda
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#20
Methylene Chloride
Concen: 17.061 ug/l
RT: 2.68 min Scan# 496
Delta R.T. -0.00 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Tgt Ion	84	Resp	77550
Ion Ratio	100	Lower	Upper
84	100	91.3	136.9
49	112.8	28.9	43.3
51	36.8	50.9	76.3
86	63.7		





#21

trans-1,2-Dichloroethene

Concen: 17.366 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 70322

Ion Ratio Lower Upper

96 100

61 138.3 108.2 162.2

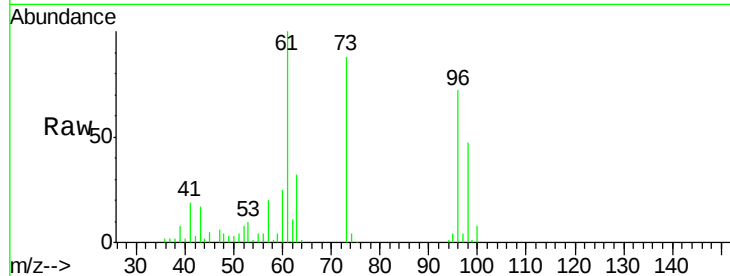
98 64.9 50.3 75.5

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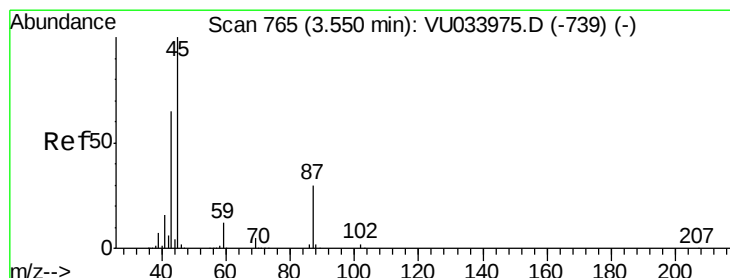
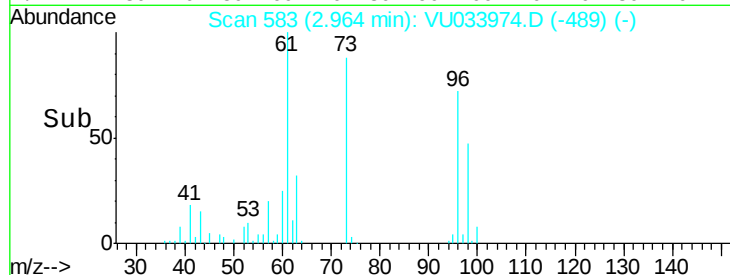
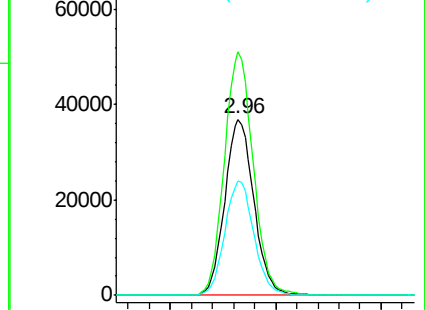
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Abundance Ion 95.90 (95.60 to 96.60): VU033974.D (-489) (-)

Ion 60.90 (60.60 to 61.60): VU033974.D (-489) (-)

Ion 97.90 (97.60 to 98.60): VU033974.D (-489) (-)



#22

Diisopropyl ether

Concen: 16.390 ug/l

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Tgt Ion: 45 Resp: 205196

Ion Ratio Lower Upper

45 100

43 64.6 51.6 77.4

87 29.9 24.4 36.6

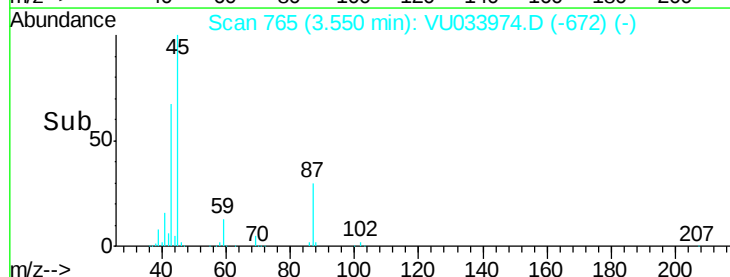
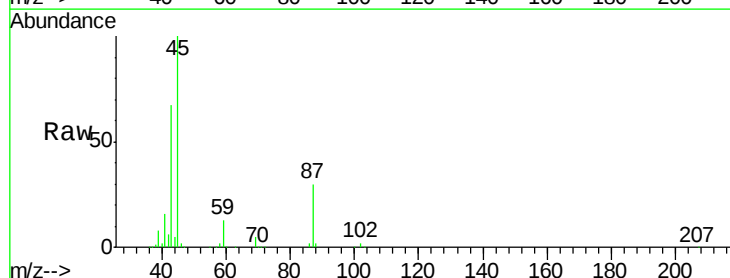
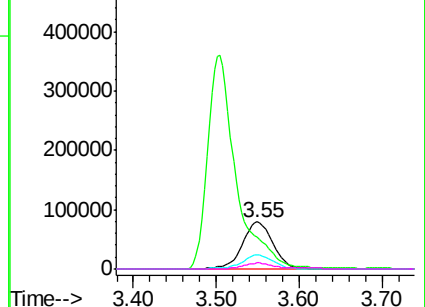
59 12.8 9.8 14.6

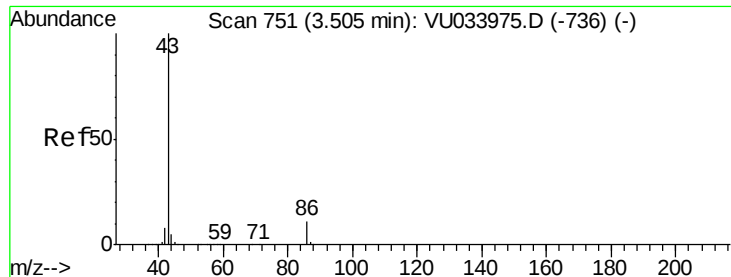
Abundance Ion 45.00 (44.70 to 45.70): VU033974.D (-672) (-)

Ion 43.00 (42.70 to 43.70): VU033974.D (-672) (-)

Ion 87.00 (86.70 to 87.70): VU033974.D (-672) (-)

Ion 59.00 (58.70 to 59.70): VU033974.D (-672) (-)





#23

Vinyl Acetate

Concen: 84.551 ug/l

RT: 3.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 872045

Ion Ratio Lower Upper

43 100

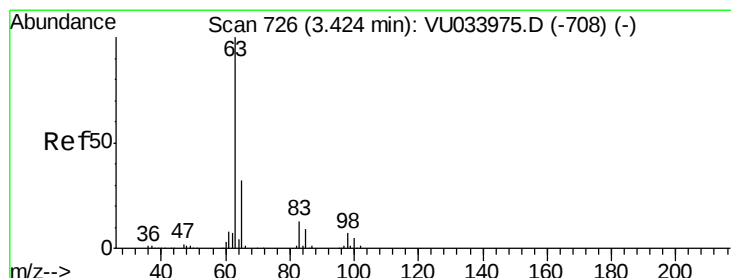
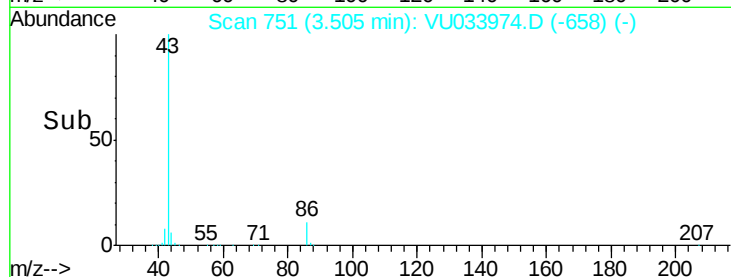
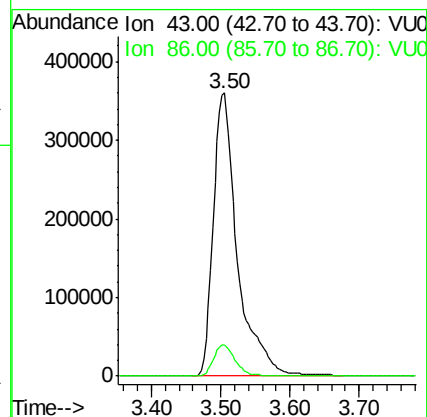
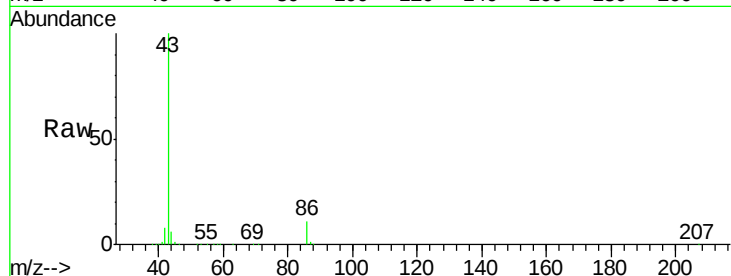
86 11.1 9.1 13.7

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#24

1,1-Dichloroethane

Concen: 16.274 ug/l

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

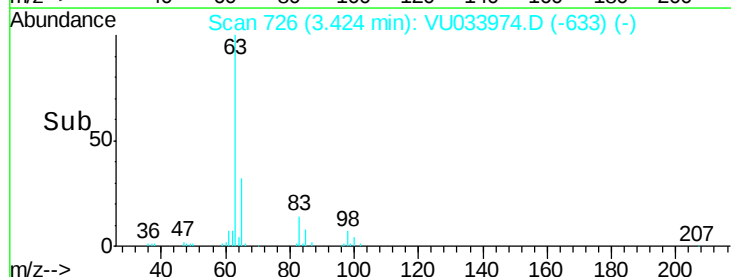
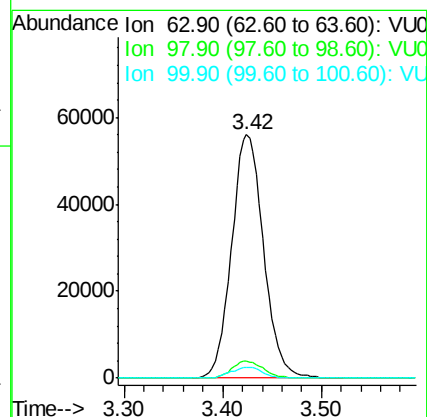
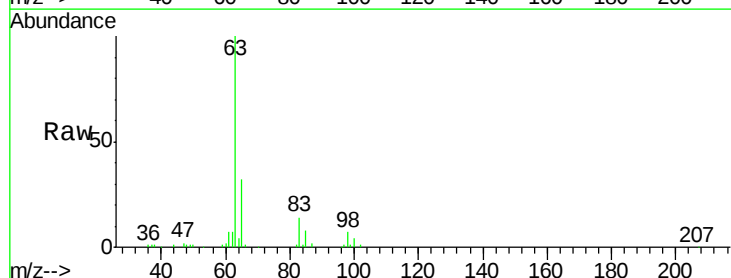
Tgt Ion: 63 Resp: 126359

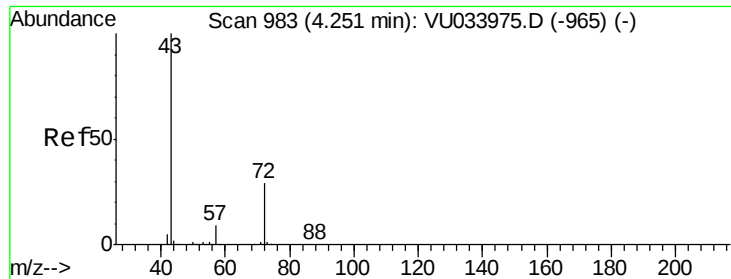
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

100 4.4 2.3 6.8





#25

2-Butanone

Concen: 76.047 ug/l

RT: 4.24 min Scan# 979

Delta R.T. -0.01 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 270973

Ion Ratio Lower Upper

43 100

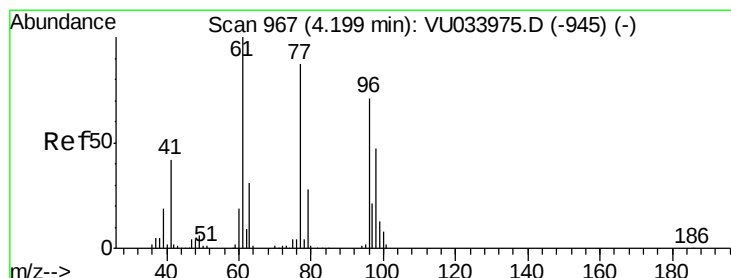
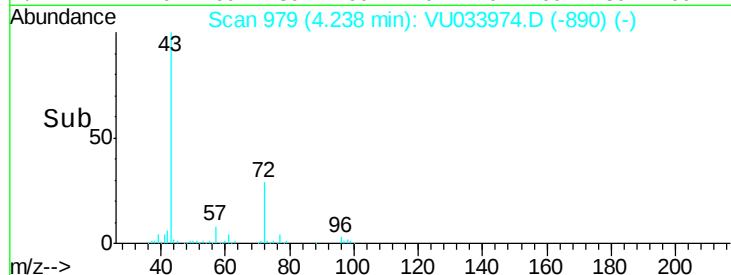
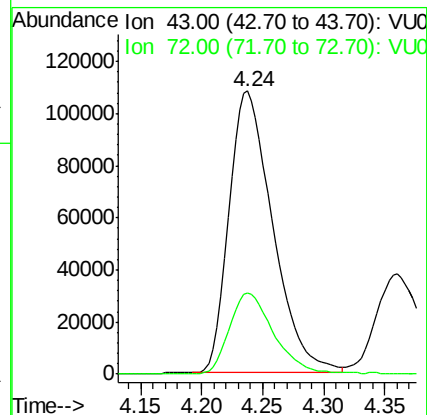
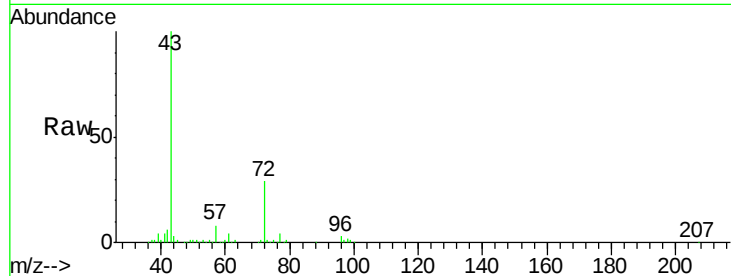
72 28.7 22.9 34.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.625 ug/l

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU033974.D

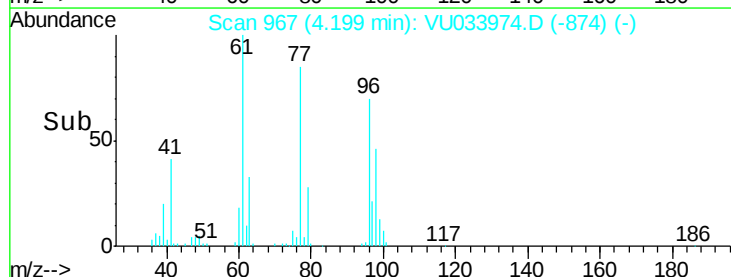
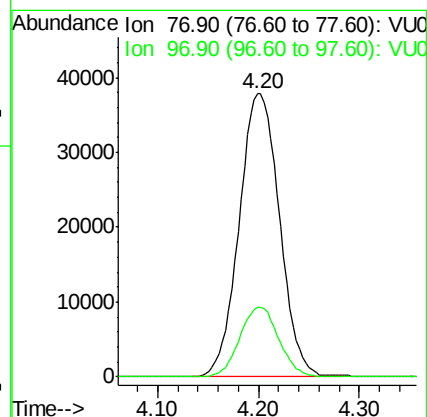
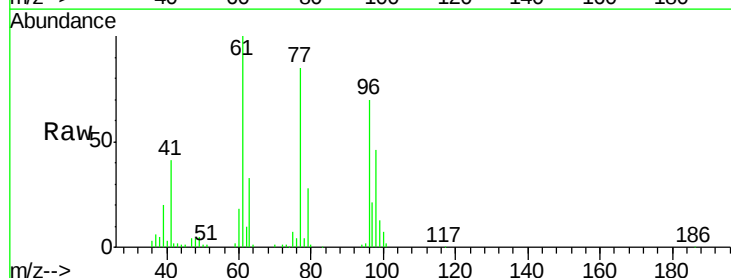
Acq: 27 Aug 2019 15:30

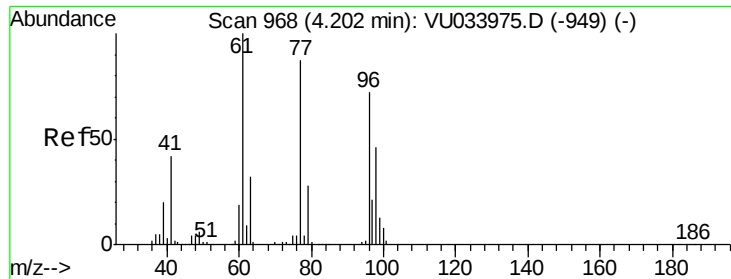
Tgt Ion: 77 Resp: 105051

Ion Ratio Lower Upper

77 100

97 23.8 12.0 36.0





#27

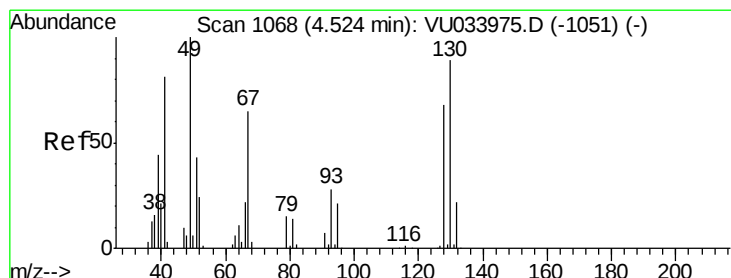
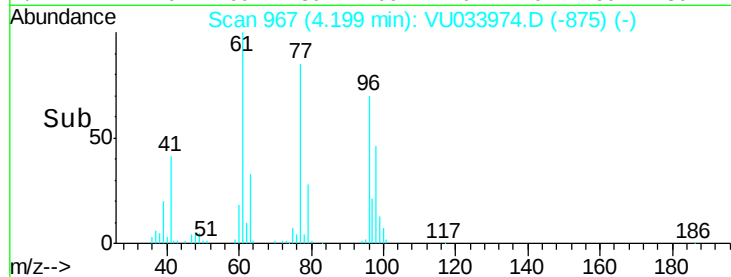
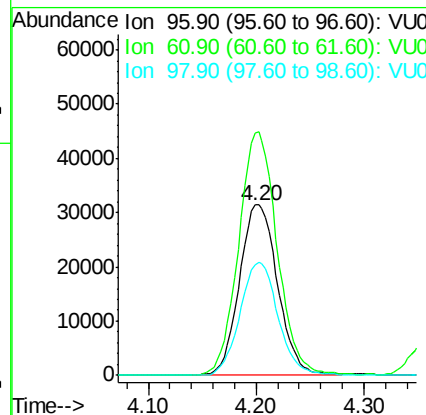
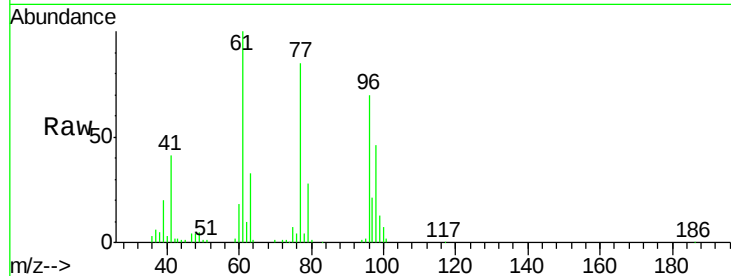
cis-1,2-Dichloroethene
 Concen: 17.766 ug/l
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	287.2
98	66.1	0.0	131.8

Manual Integrations
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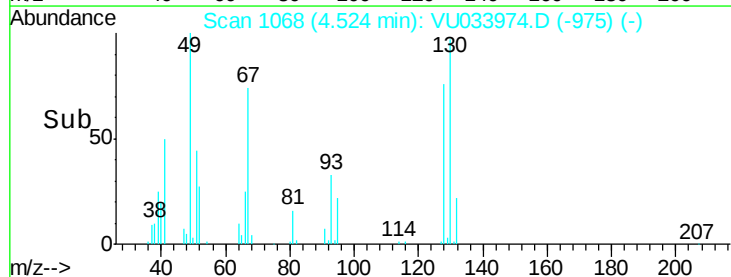
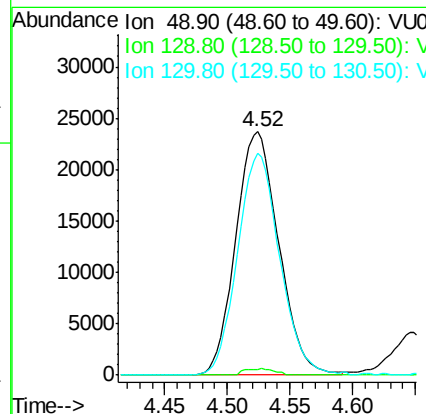
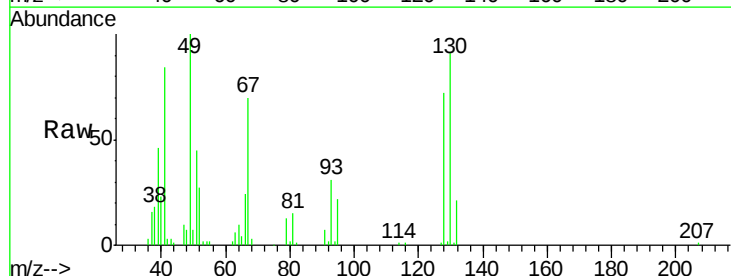
MMDadoda
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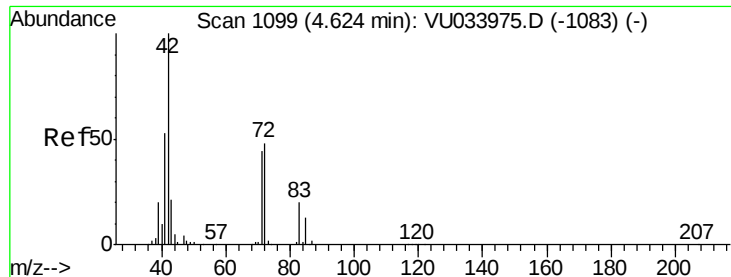


#28

Bromochloromethane
 Concen: 14.877 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	89.0	71.0	106.6





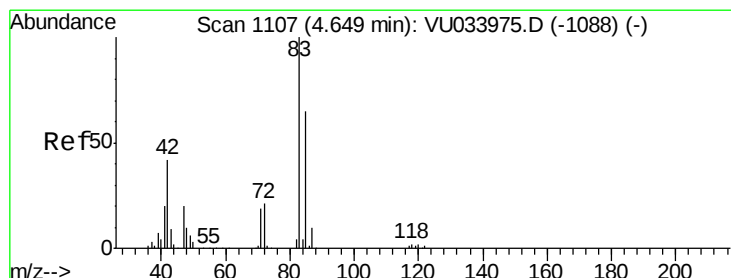
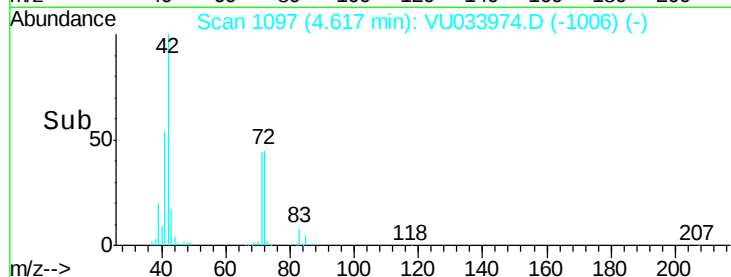
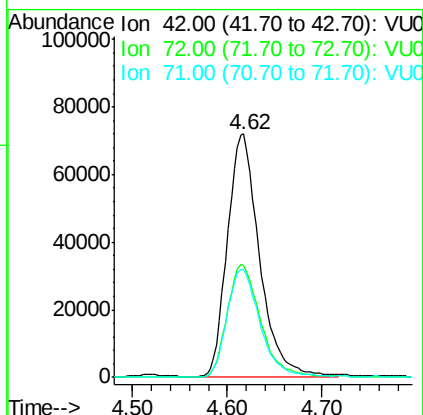
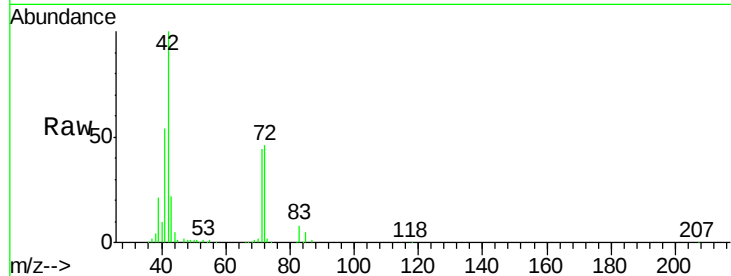
#29
Tetrahydrofuran
Concen: 79.084 ug/l
RT: 4.62 min Scan# 1097
Delta R.T. -0.01 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.0	38.9	58.3
71	45.8	35.7	53.5

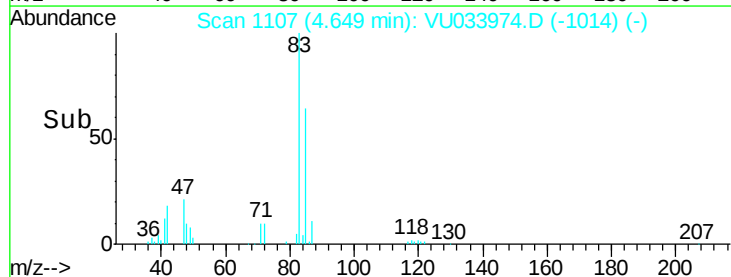
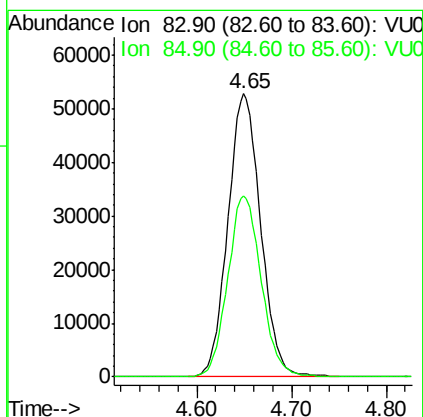
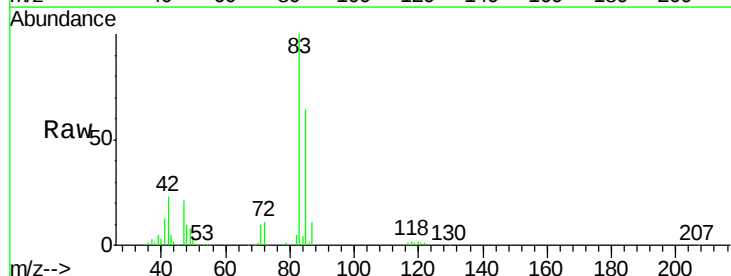
Manual Integrations
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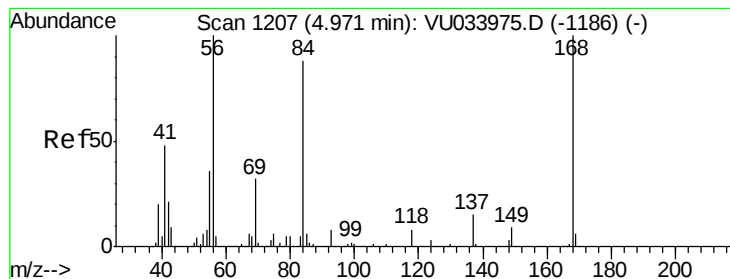
MMDadoda
8/28/2019 9:57:46 AM



#30
Chloroform
Concen: 16.383 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.1	78.1





#31

Cyclohexane

Concen: 16.913 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

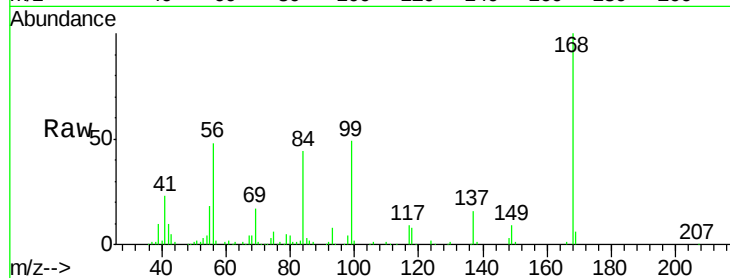
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	114822
Ion	Ratio	Lower	Upper
56	100		
69	34.9	25.9	38.9
84	91.1	70.4	105.6

Manual Integrations
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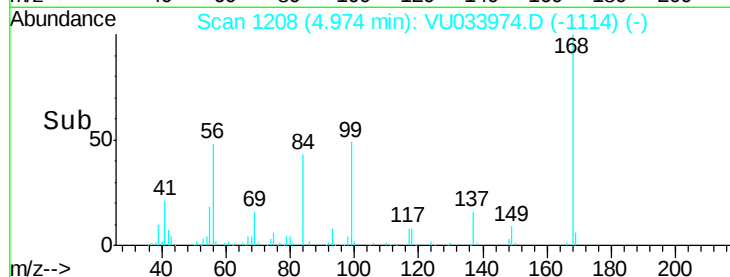


Abundance Ion 56.00 (55.70 to 56.70): VU033974.D (-1186) (-)

Ion 69.00 (68.70 to 69.70): VU033974.D (-1186) (-)

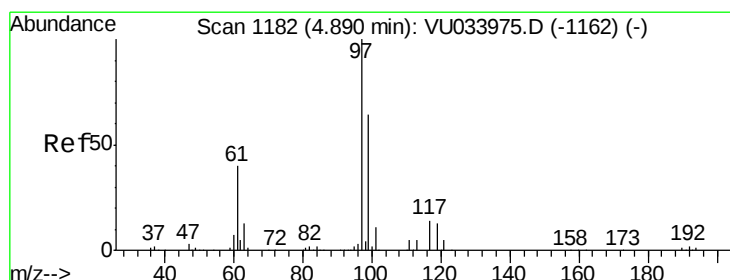
Ion 84.00 (83.70 to 84.70): VU033974.D (-1186) (-)

Time-->



Abundance

Time-->



#32

1,1,1-Trichloroethane

Concen: 17.476 ug/l

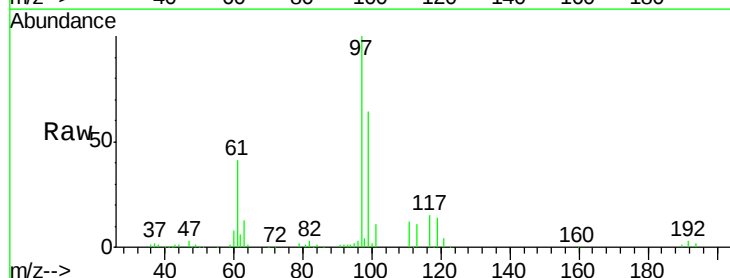
RT: 4.89 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Tgt Ion:	97	Resp:	111158
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.6	77.4
61	41.2	32.7	49.1

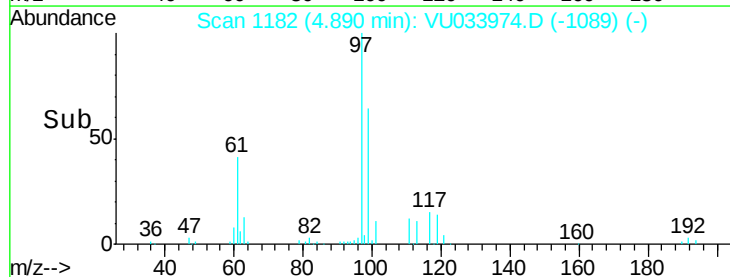


Abundance Ion 96.90 (96.60 to 97.60): VU033974.D (-1089) (-)

Ion 98.90 (98.60 to 99.60): VU033974.D (-1089) (-)

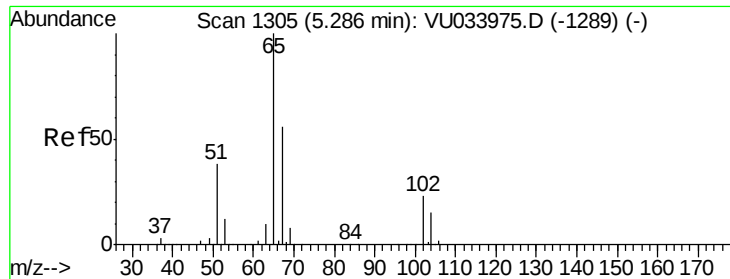
Ion 60.90 (60.60 to 61.60): VU033974.D (-1089) (-)

Time-->



Abundance

Time-->



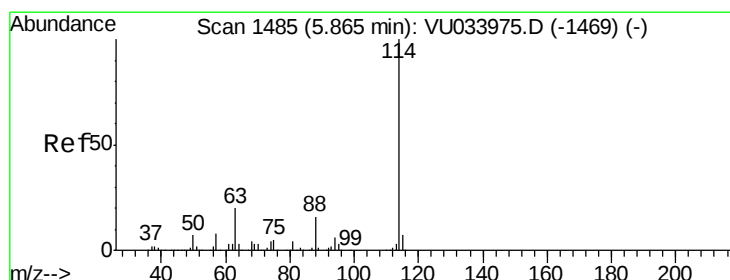
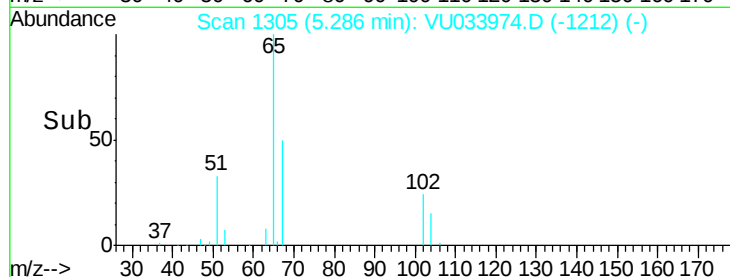
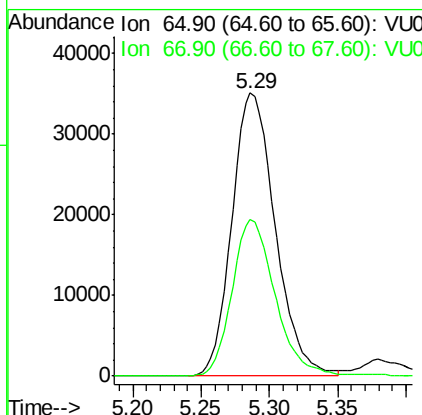
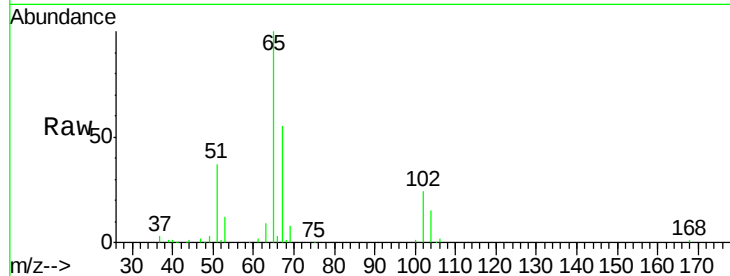
#33
 1,2-Dichloroethane-d4
 Concen: 16.305 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	111.0

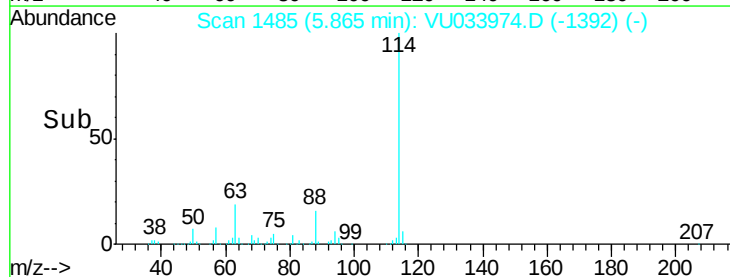
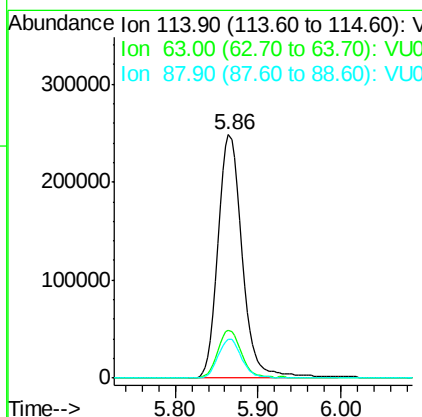
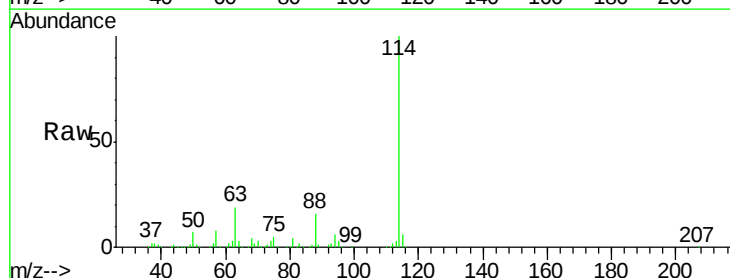
Manual Integrations
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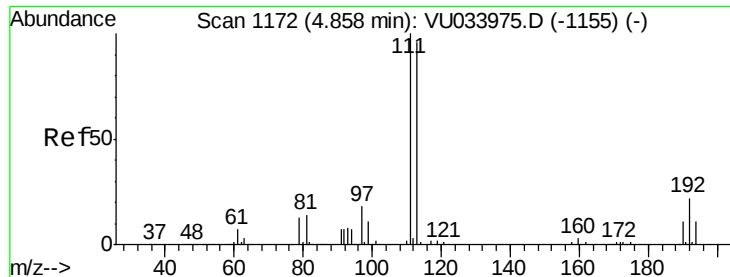
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.0
88	15.8	0.0	31.2





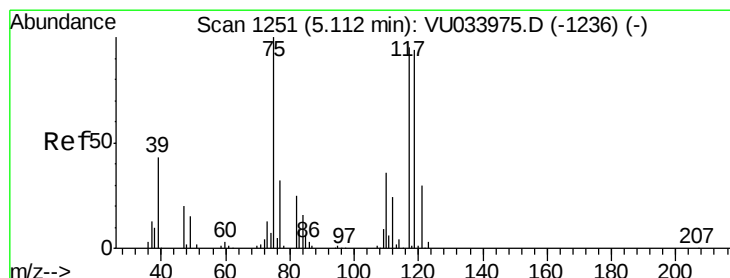
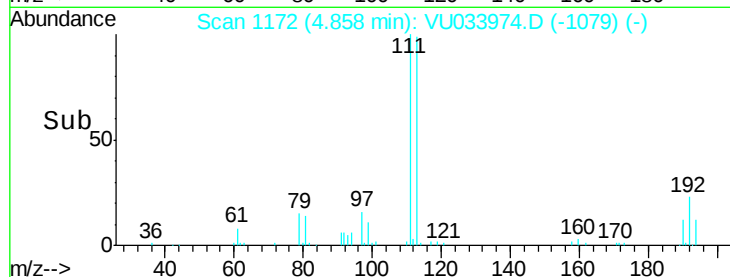
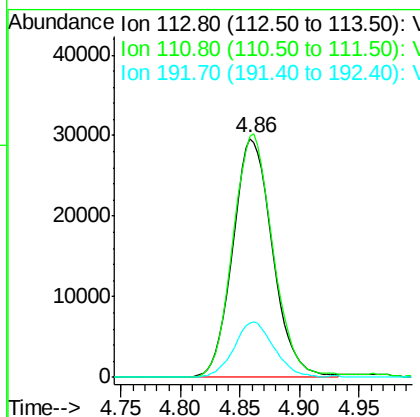
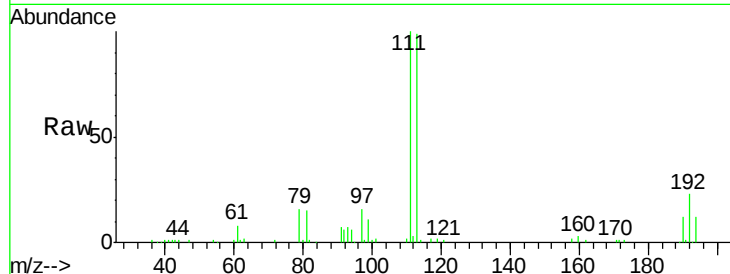
#35
 Dibromofluoromethane
 Concen: 19.313 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.7	122.5
192	23.3	18.6	27.8

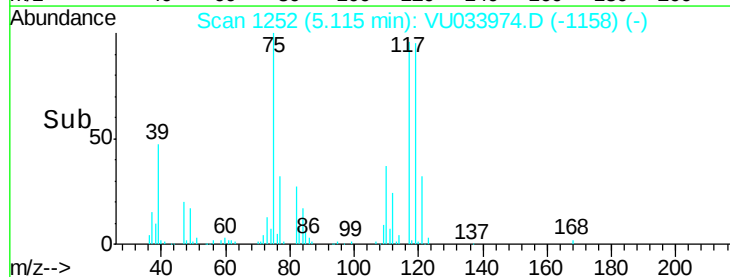
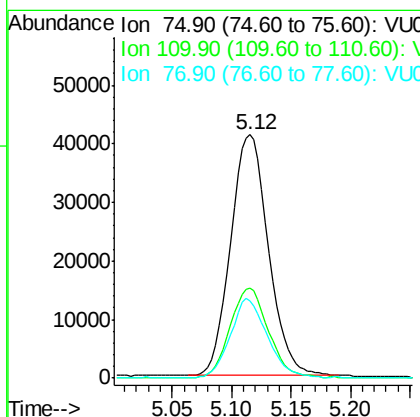
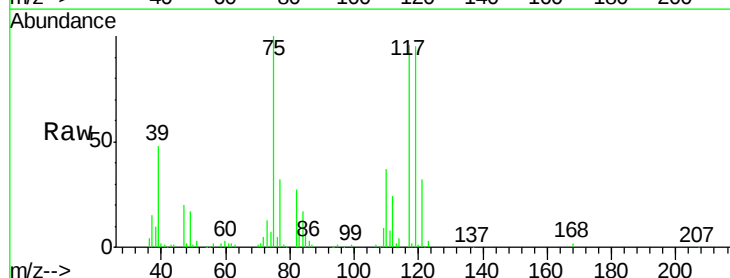
Manual Integrations
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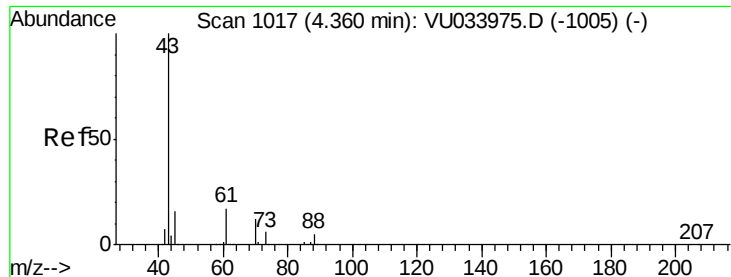
MMDadoda
 8/28/2019 9:57:46 AM



#36
 1,1-Dichloropropene
 Concen: 17.820 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.9	18.2	54.6
77	32.5	24.8	37.2





#37

Ethyl Acetate

Concen: 16.556 ug/l

RT: 4.36 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

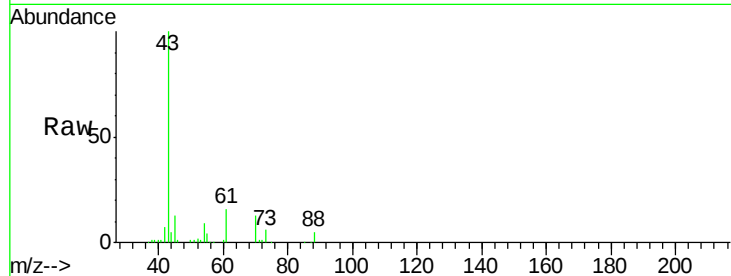
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	98019
Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.0	18.0
70	11.4	9.2	13.8

Manual Integrations
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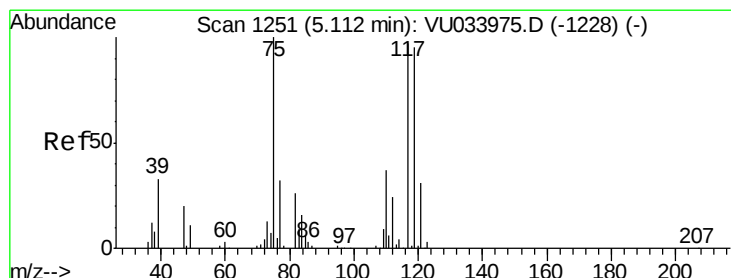
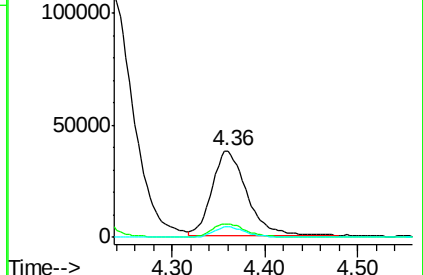
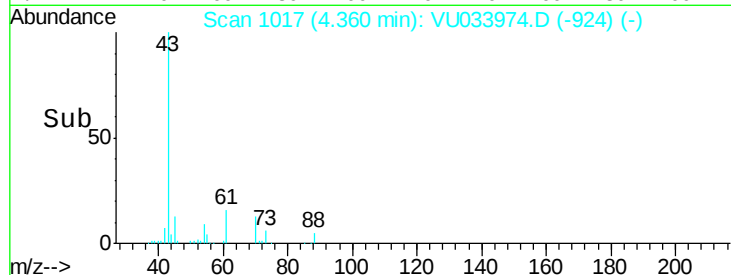


Abundance Ion 43.00 (42.70 to 43.70): VU033974.D (-924) (-)

Ion 60.90 (60.60 to 61.60): VU033974.D (-924) (-)

Ion 70.00 (69.70 to 70.70): VU033974.D (-924) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 19.168 ug/l

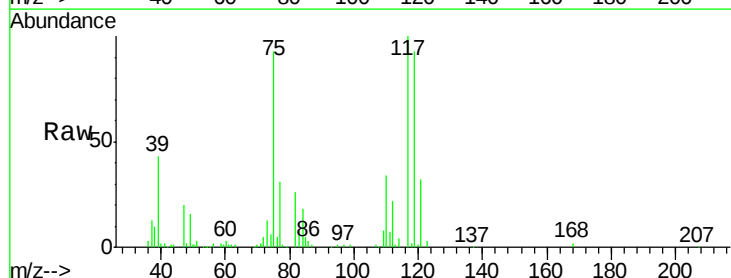
RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Tgt Ion:	117	Resp:	98403
Ion	Ratio	Lower	Upper
117	100		
119	92.8	78.4	117.6
121	32.2	25.4	38.2

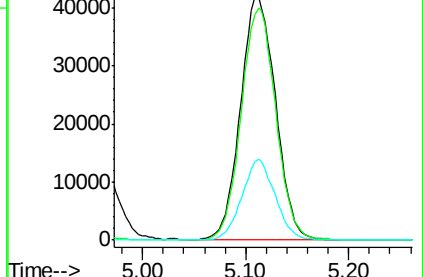
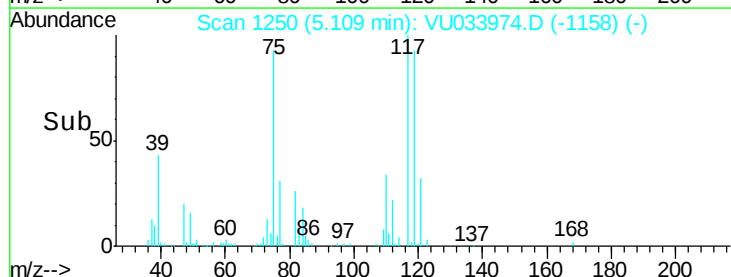


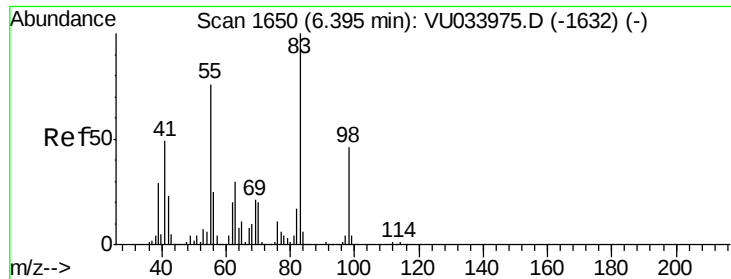
Abundance Ion 116.80 (116.50 to 117.50): VU033974.D (-1158) (-)

Ion 118.80 (118.50 to 119.50): VU033974.D (-1158) (-)

Ion 120.80 (120.50 to 121.50): VU033974.D (-1158) (-)

Time-->





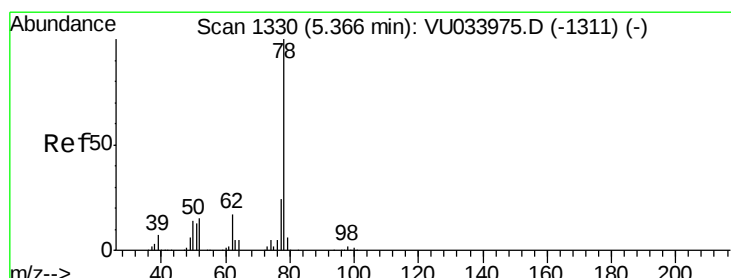
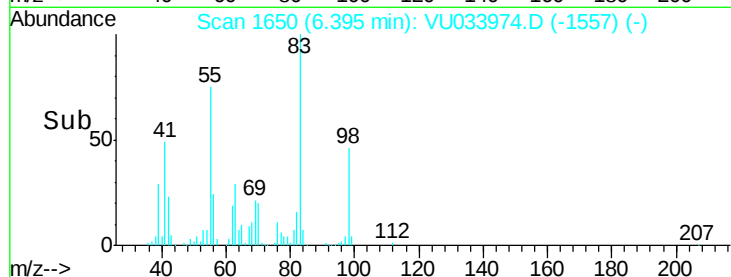
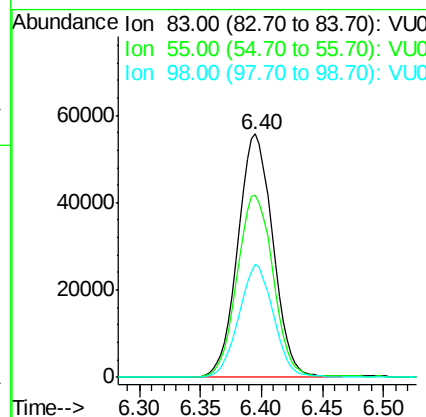
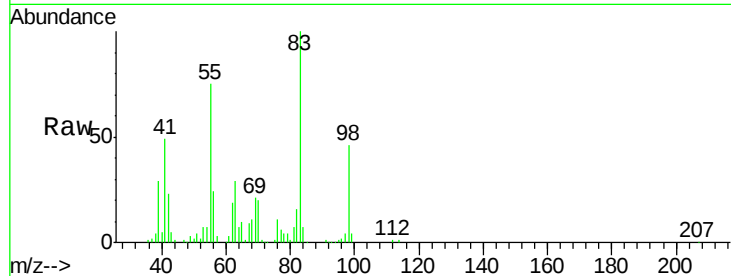
#39
Methvlcvclohexane
Concen: 19.622 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.6	60.8	91.2	
98	46.3	36.5	54.7	

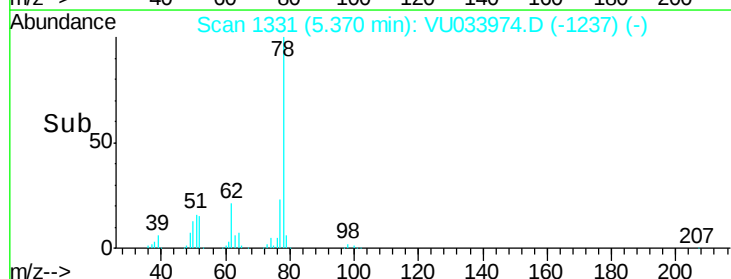
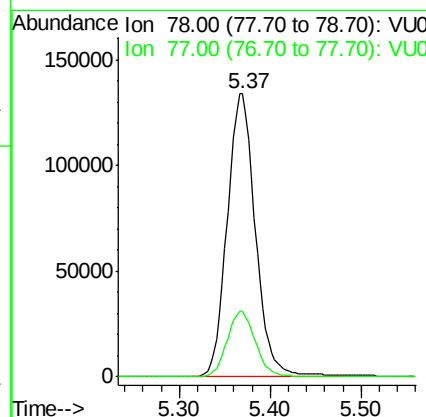
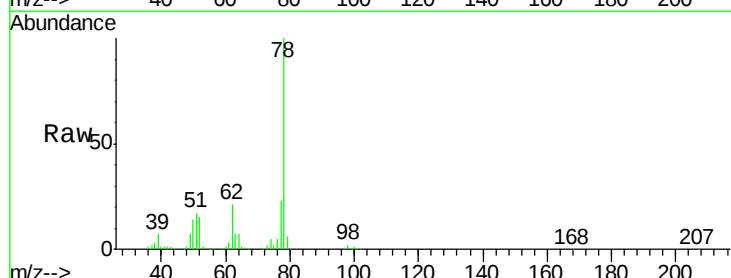
Manual Integrations
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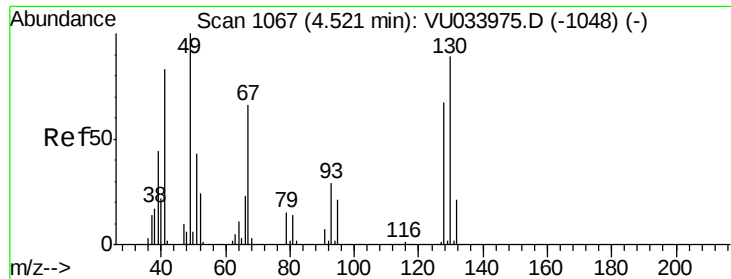
MMDadoda
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#40
Benzene
Concen: 19.104 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.1	19.2	28.8	





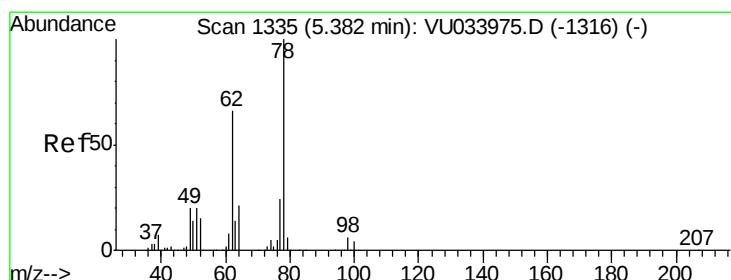
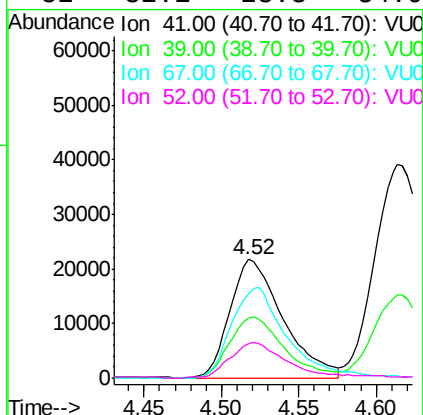
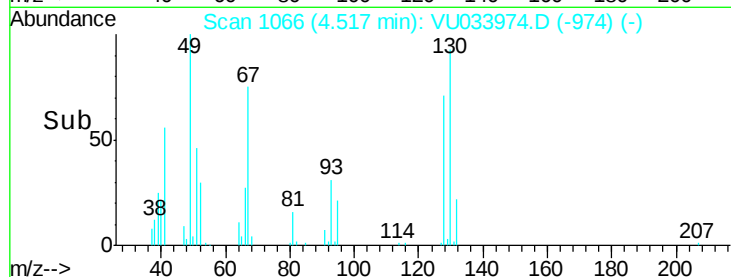
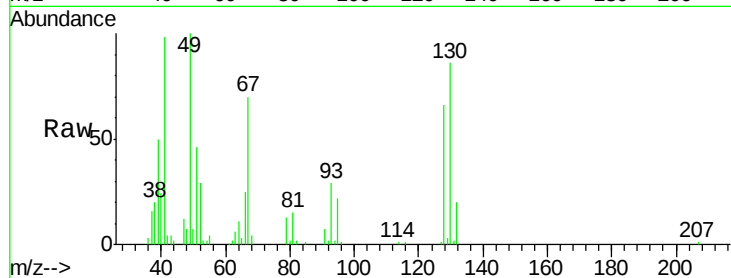
#41
Methacrylonitrile
Concen: 17.494 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.2	41.5	62.3	
67	80.4	65.0	97.6	
52	32.1	23.3	34.9	

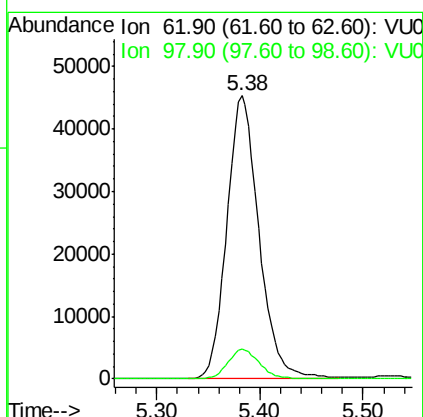
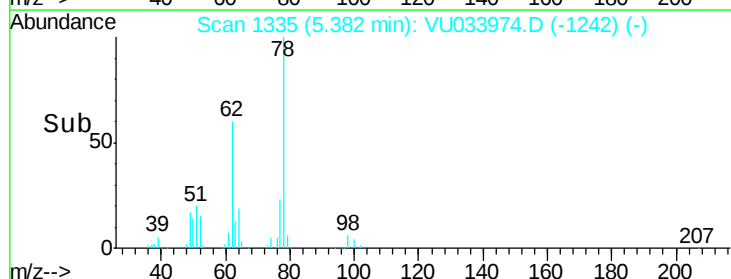
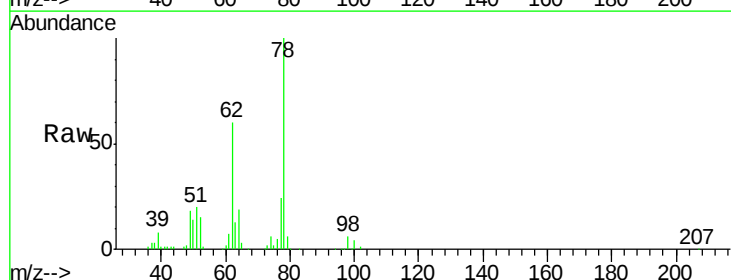
Manual Integrations
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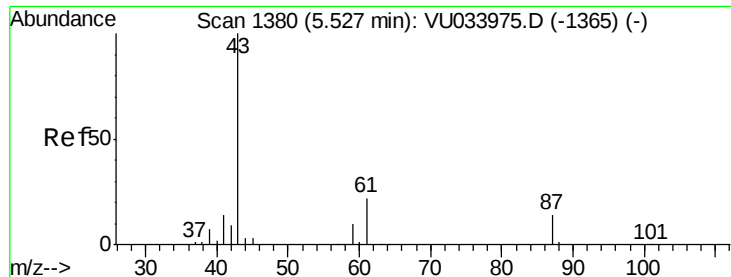
MMDadoda
8/28/2019 9:57:46 AM



#42
1,2-Dichloroethane
Concen: 17.764 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	20.0	





#43

Isopropyl Acetate

Concen: 17.080 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

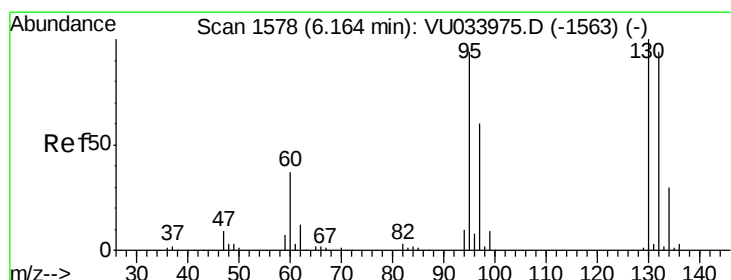
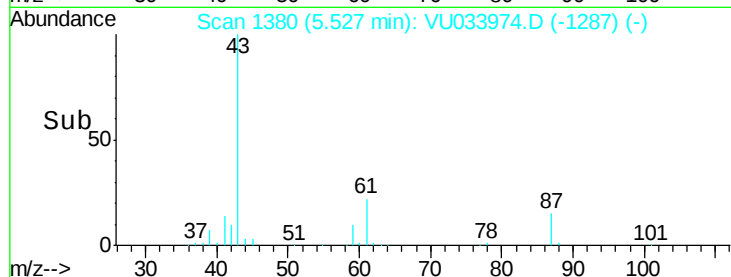
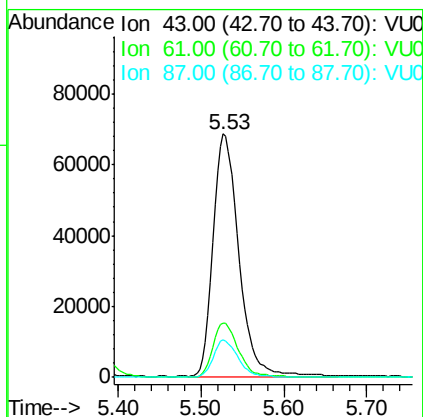
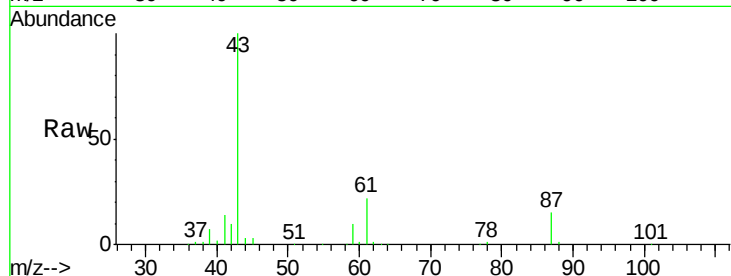
ClientSampleId :

VSTDIC020

Tot Ion:	43	Resp:	147899
Ion	Ratio	Lower	Upper
43	100		
61	22.3	17.8	26.8
87	14.9	11.9	17.9

Manual Integrations
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MMDadoda
8/28/2019 9:57:46 AM



#44

Trichloroethene

Concen: 19.927 ug/l

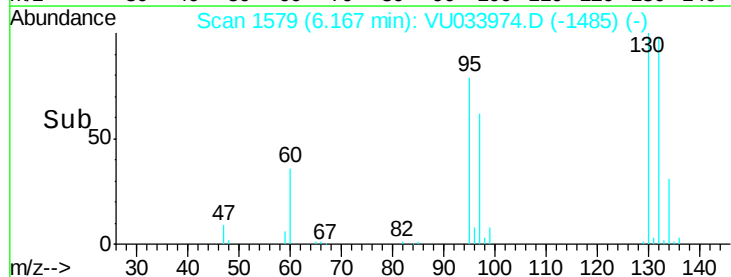
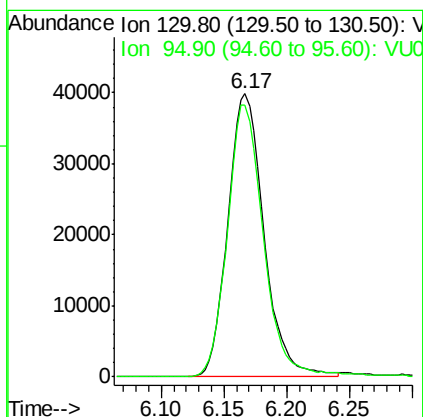
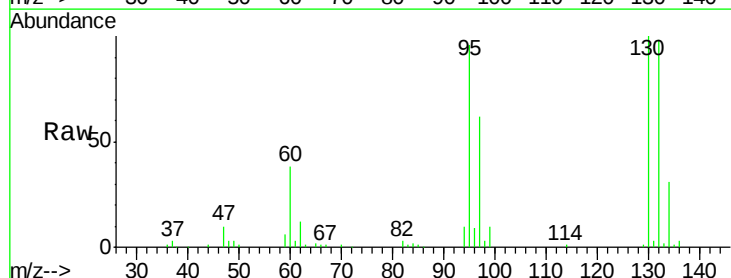
RT: 6.17 min Scan# 1579

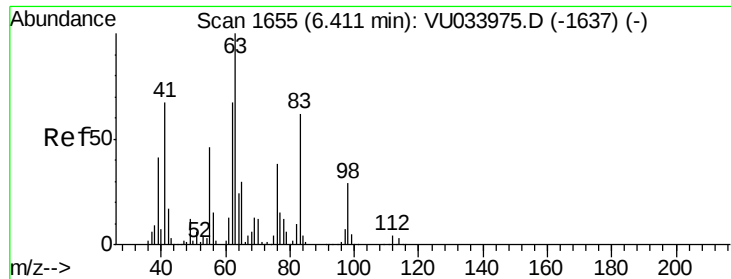
Delta R.T. 0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Tgt Ion:	130	Resp:	79795
Ion	Ratio	Lower	Upper
130	100		
95	96.3	0.0	187.6





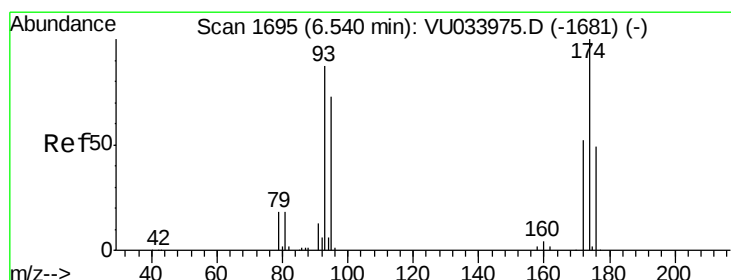
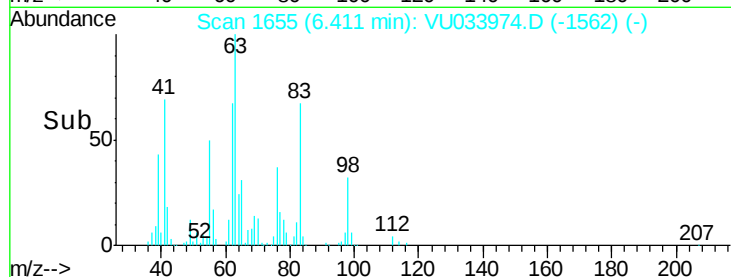
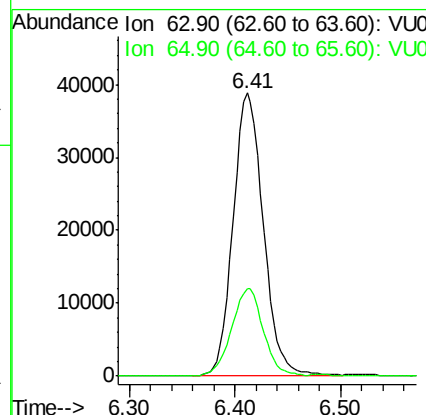
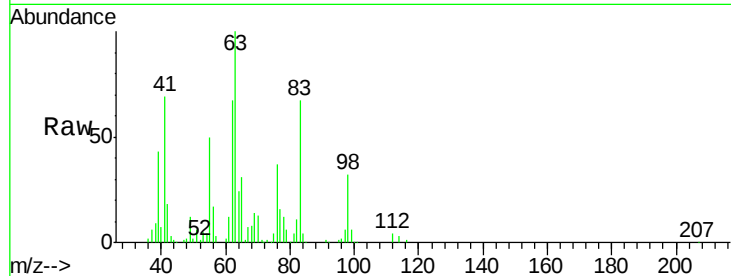
#45
 1,2-Dichloropropane
 Concen: 18.520 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 77431
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.3 36.5

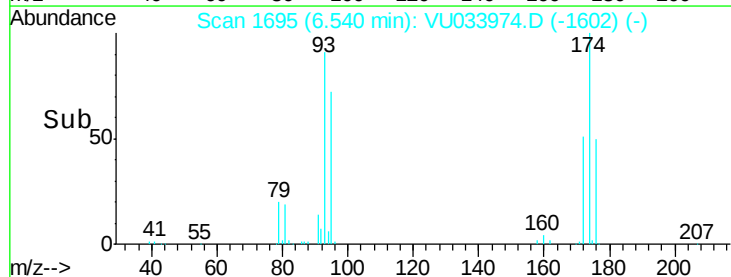
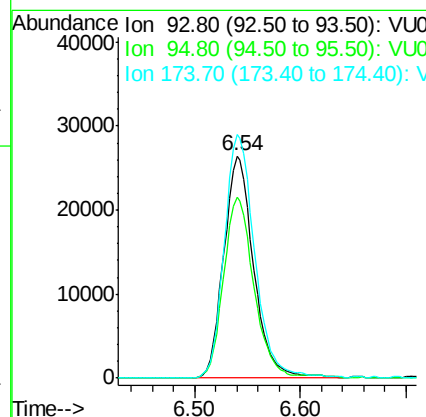
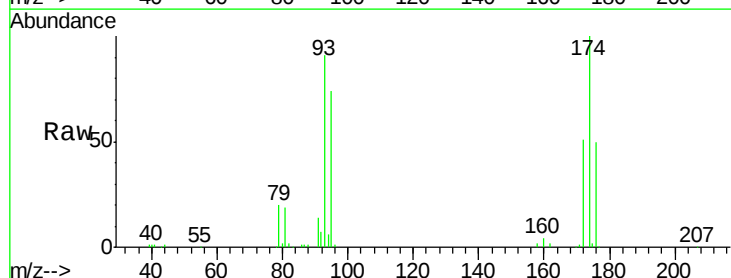
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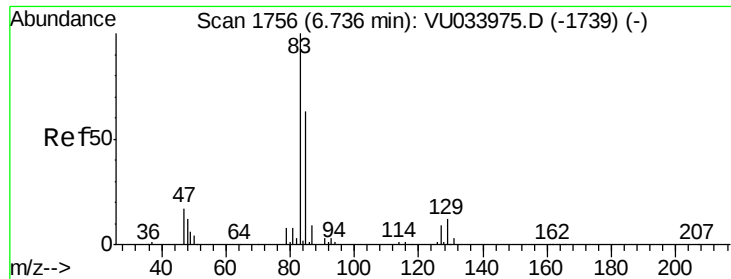
MMDadoda
 8/28/2019 9:57:46 AM



#46
 Dibromomethane
 Concen: 19.158 ug/l
 RT: 6.54 min Scan# 1695
 Delta R.T. -0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Tgt Ion: 93 Resp: 51968
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.2 99.4
 174 111.7 92.2 138.2





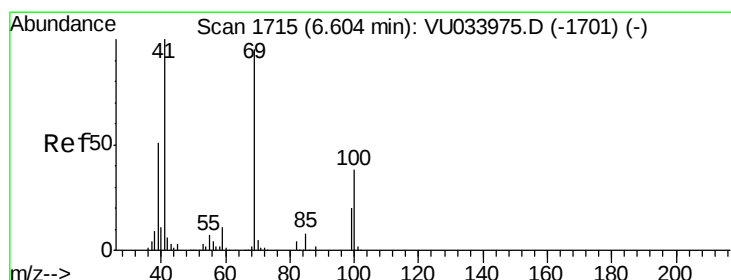
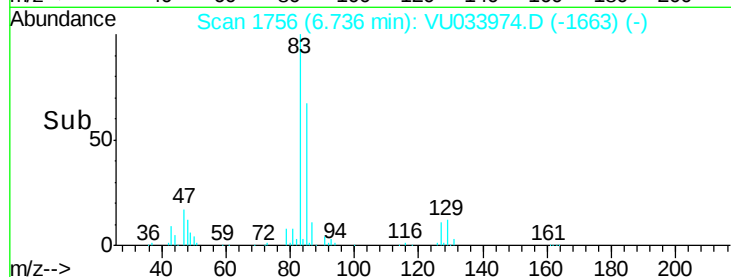
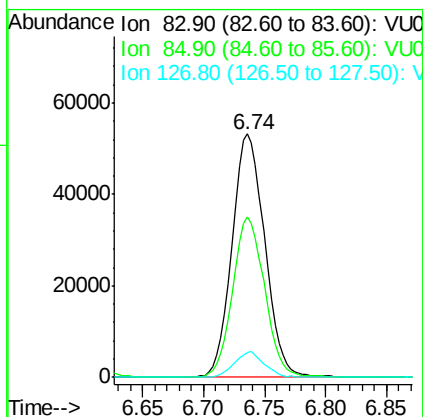
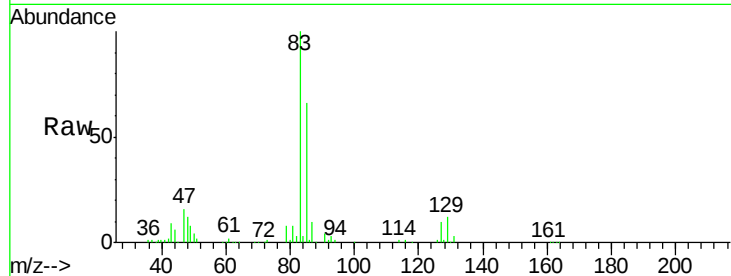
#47
 Bromodichloromethane
 Concen: 18.264 ug/l
 RT: 6.74 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.8	50.6	76.0	
127	10.3	7.4	11.0	

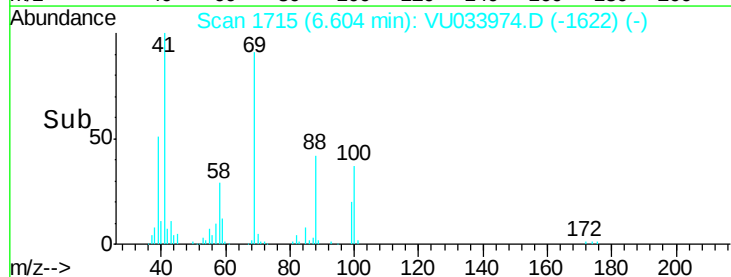
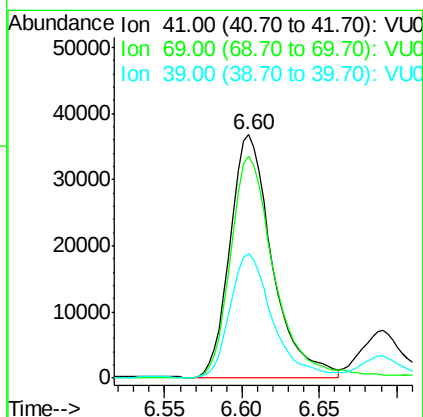
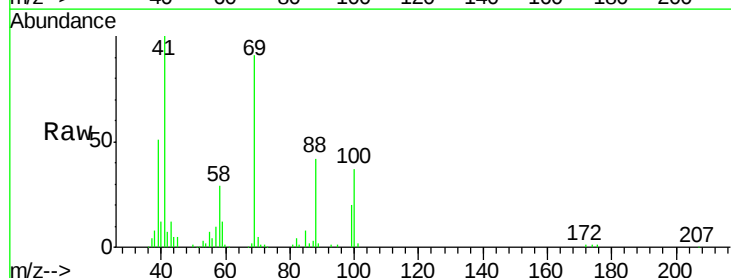
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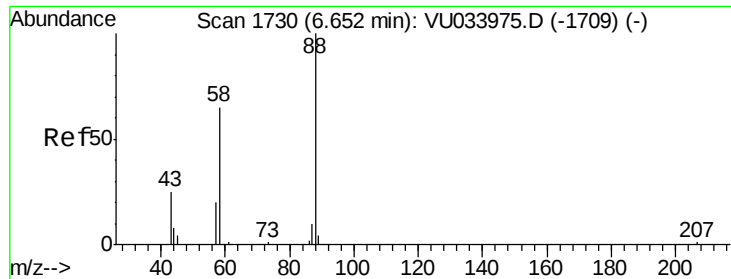
MMDadoda
 8/28/2019 9:57:46 AM



#48
 Methyl methacrylate
 Concen: 17.840 ug/l
 RT: 6.60 min Scan# 1715
 Delta R.T. -0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	95.4	76.3	114.5	
39	50.9	41.1	61.7	





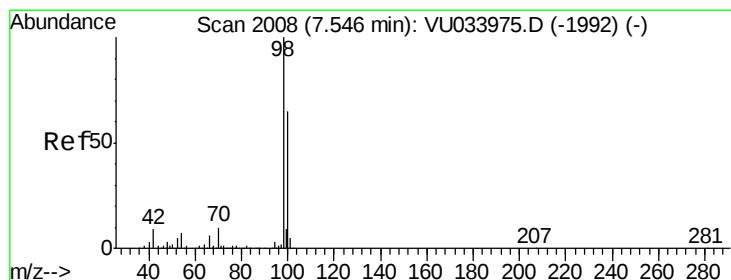
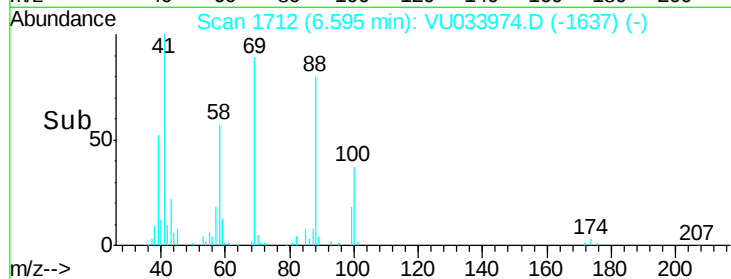
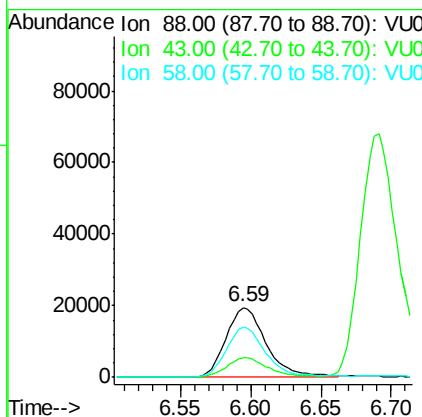
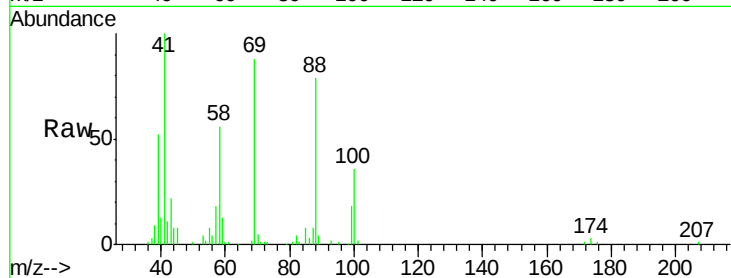
#49
 1,4-Dioxane
 Concen: 422.975 ug/l
 RT: 6.59 min Scan# 1712
 Delta R.T. -0.06 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
88	100	38864		
43	28.0	0.0	0.0	0.0
58	71.2	56.6	85.0	

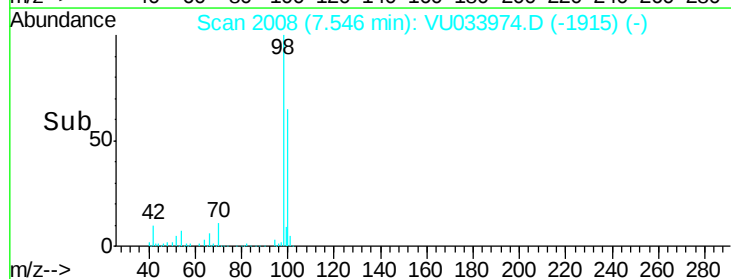
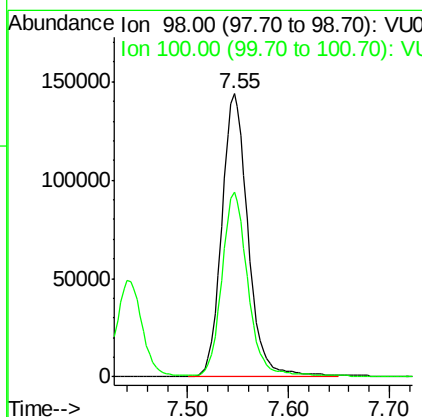
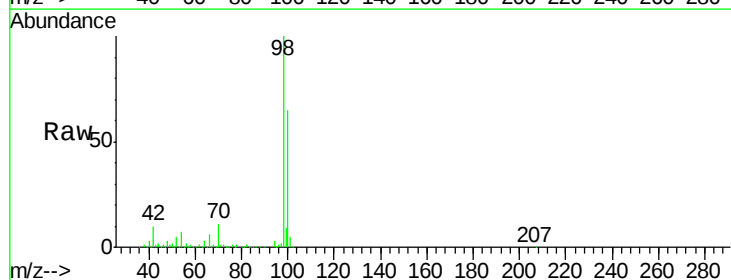
Manual Integrations
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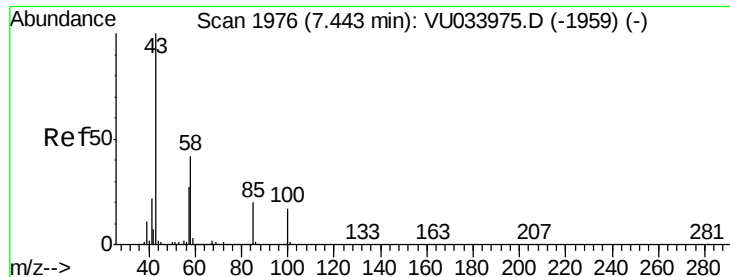
MMDadoda
 8/28/2019 9:57:46 AM



#50
 Toluene-d8
 Concen: 20.074 ug/l
 RT: 7.55 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	263351		
100	64.2	51.5	77.3	





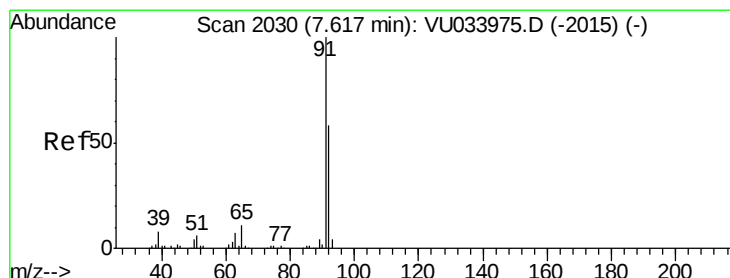
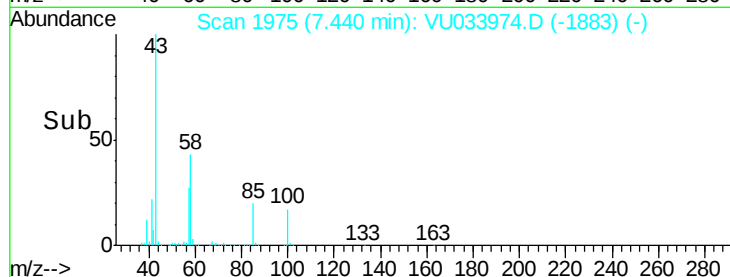
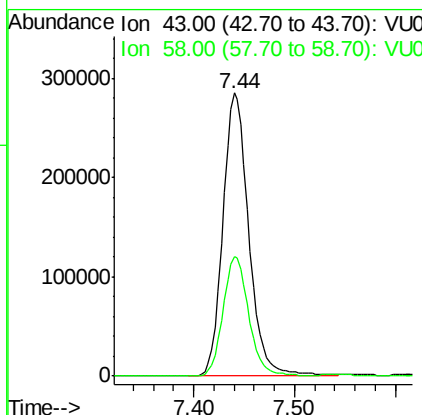
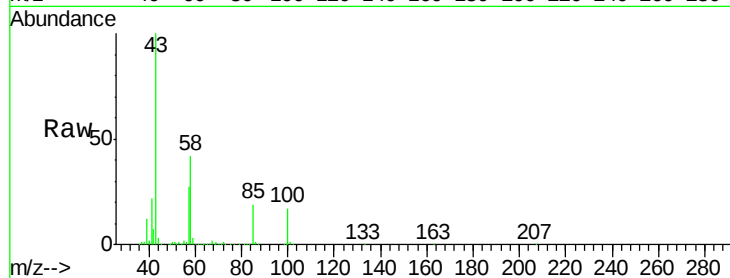
#51
 4-Methyl-2-Pentanone
 Concen: 87.469 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.1	33.6	50.4

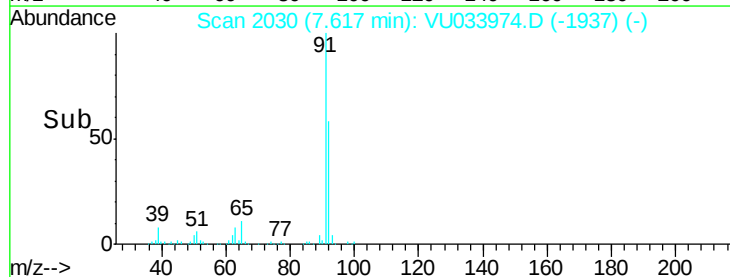
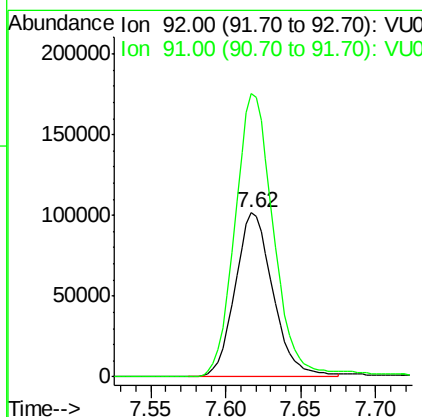
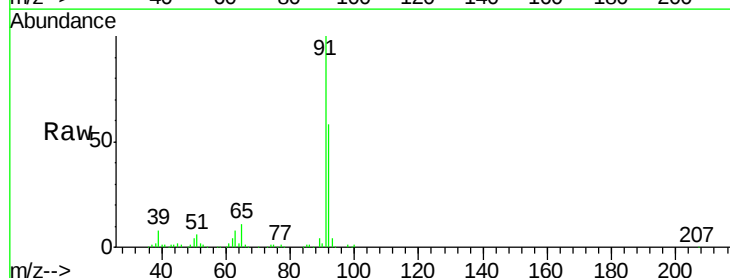
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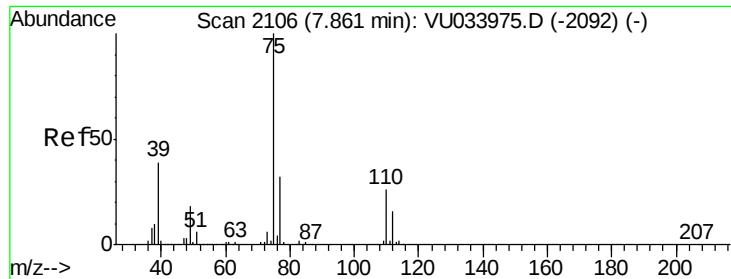
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#52
 Toluene
 Concen: 20.307 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.8	138.8	208.2





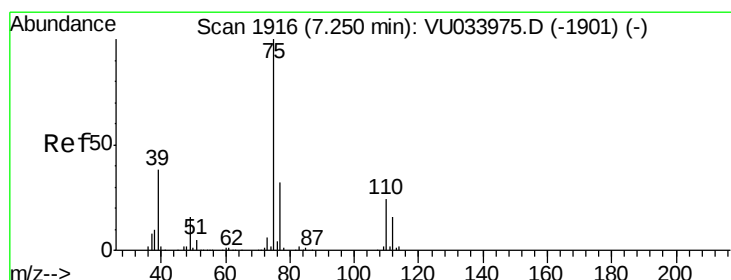
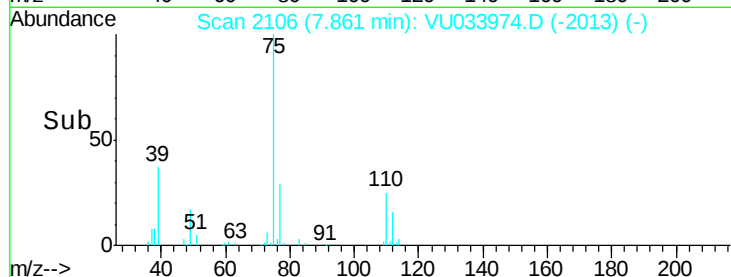
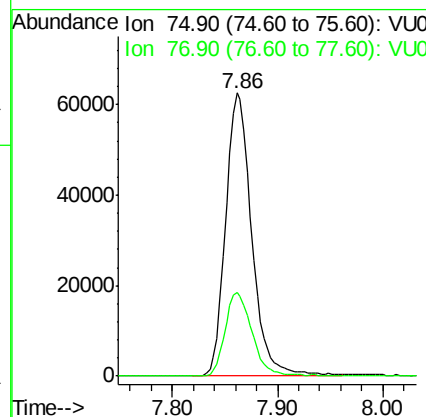
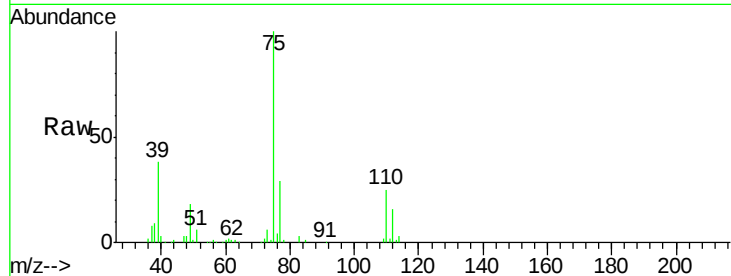
#53
t-1,3-Dichloropropene
Concen: 19.044 ug/l
RT: 7.86 min Scan# 2106
Delta R.T. -0.00 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 107356
Ion Ratio Lower Upper
75 100
77 29.5 25.4 38.2

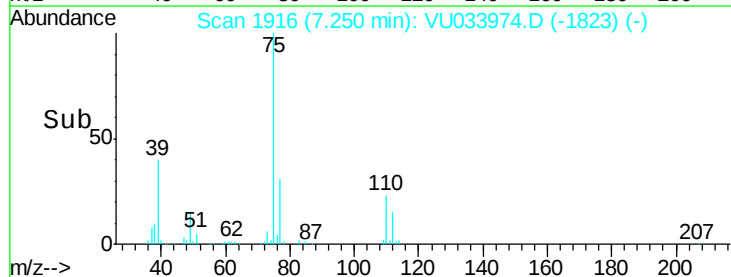
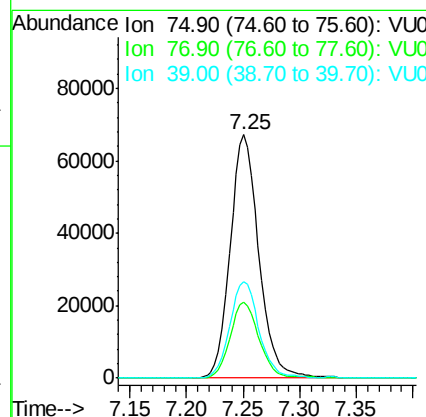
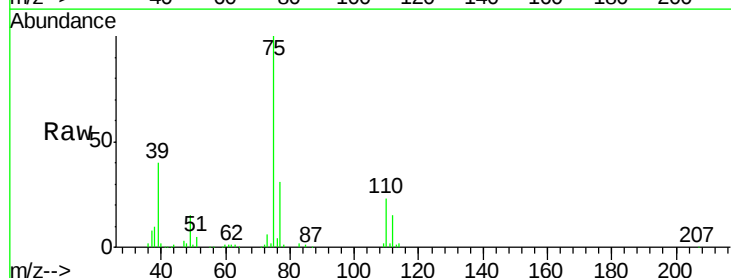
Manual Integrations
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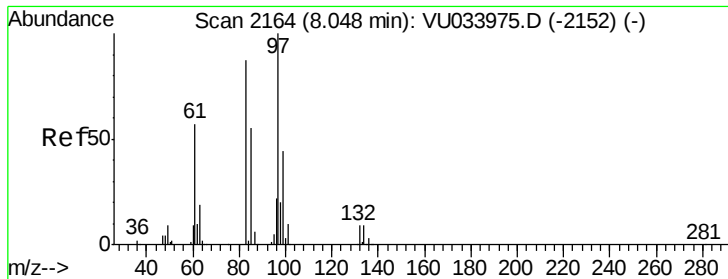
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.877 ug/l
RT: 7.25 min Scan# 1916
Delta R.T. -0.00 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Tgt Ion: 75 Resp: 118554
Ion Ratio Lower Upper
75 100
77 31.3 25.6 38.4
39 39.8 30.7 46.1





#55

1,1,2-Trichloroethane

Concen: 18.994 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 73753

Ion Ratio Lower Upper

97 100

83 87.8 69.8 104.6

85 56.2 45.2 67.8

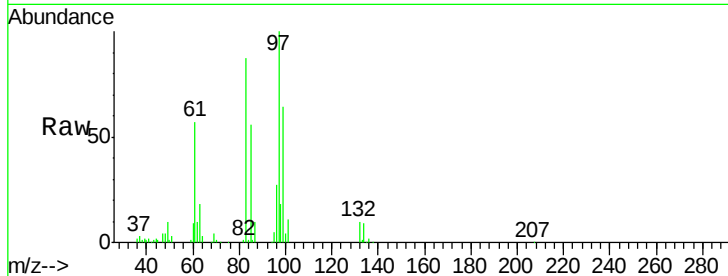
99 64.1 52.2 78.4

Manual Integrations

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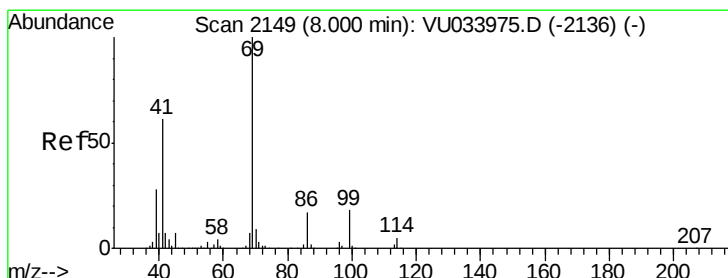
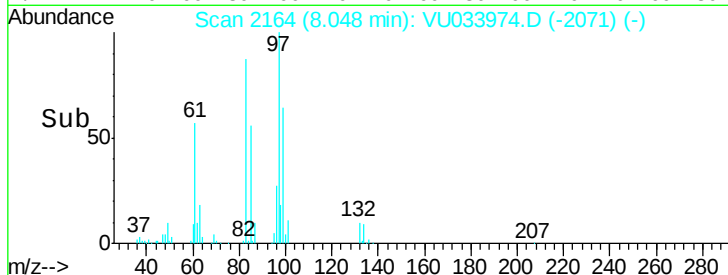
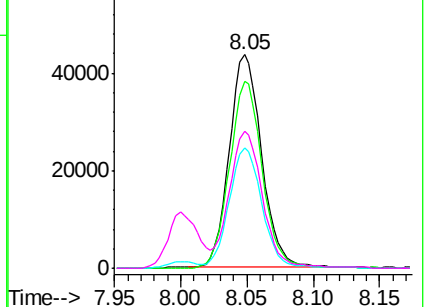


Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 20.019 ug/l

RT: 8.00 min Scan# 2150

Delta R.T. 0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

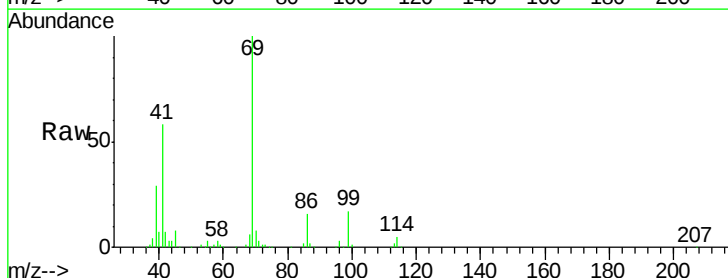
Tgt Ion: 69 Resp: 105600

Ion Ratio Lower Upper

69 100

41 59.9 48.6 72.8

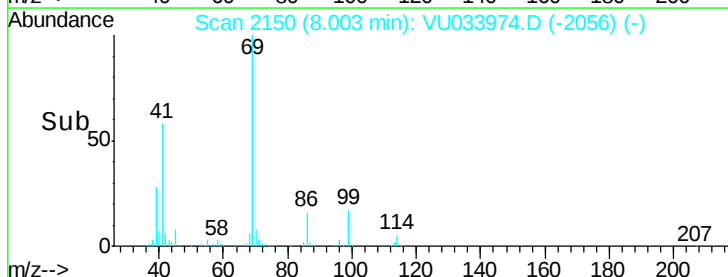
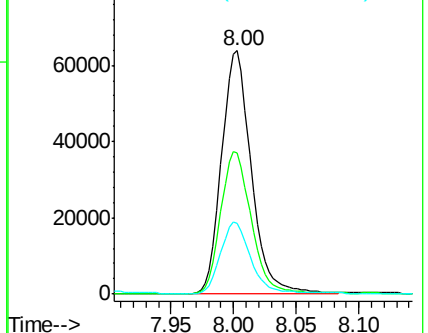
39 30.1 22.4 33.6

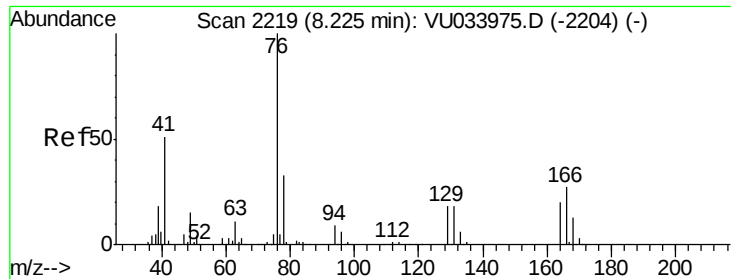


Abundance Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





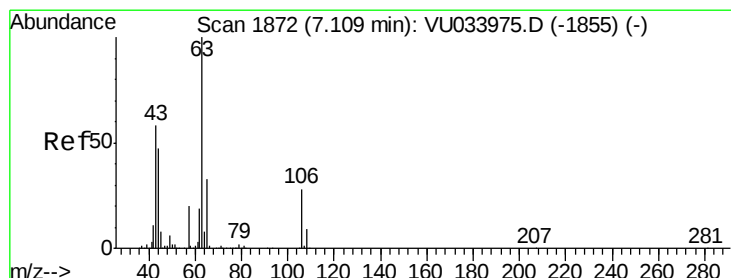
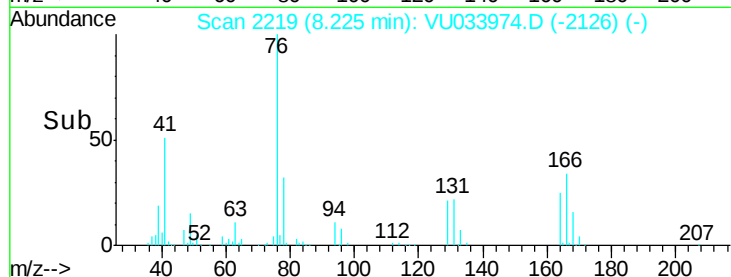
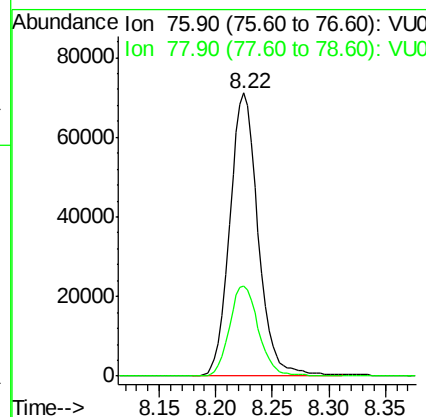
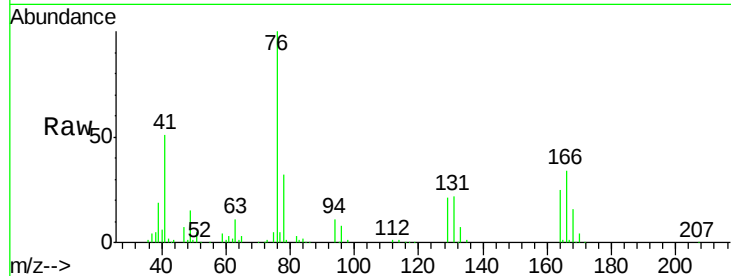
#57
 1,3-Dichloropropane
 Concen: 18.515 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.7	38.5

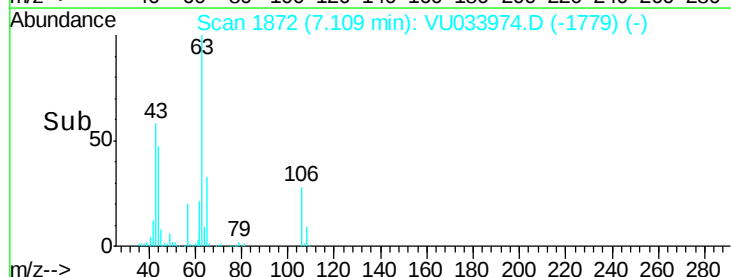
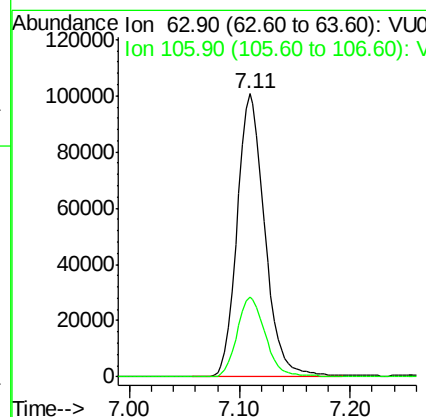
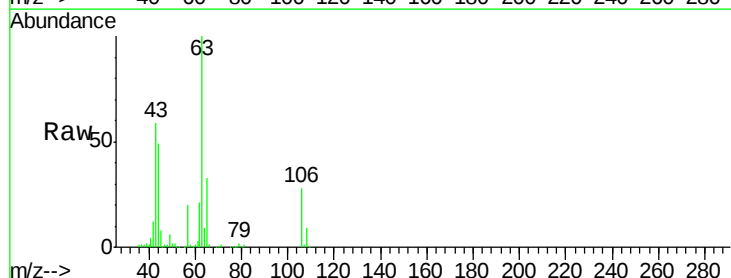
Manual Integrations
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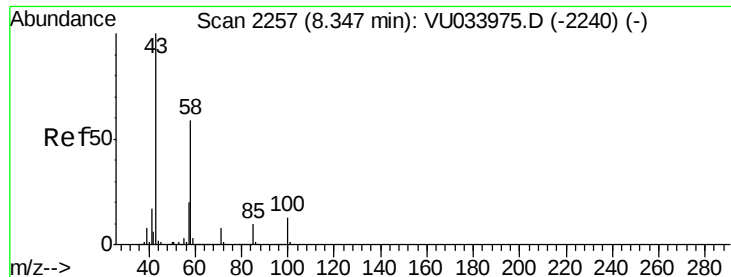
MMDadoda
 8/28/2019 9:57:46 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.918 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.8	22.4	33.6





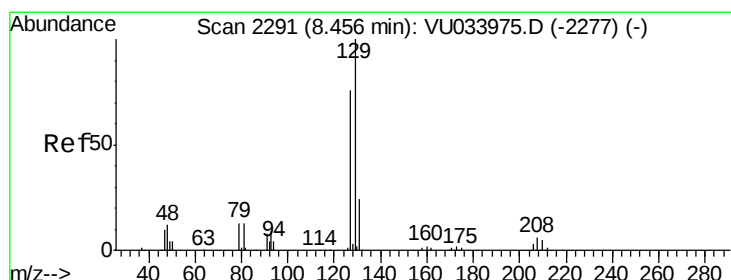
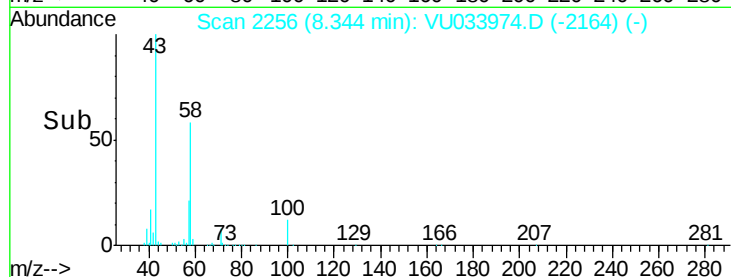
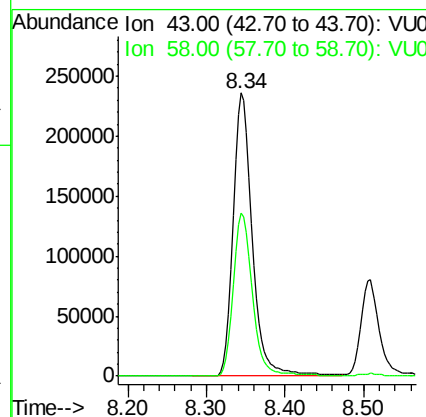
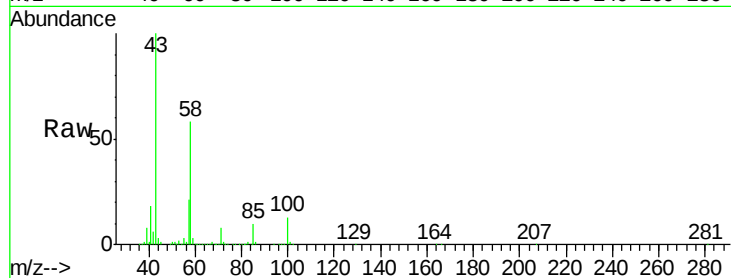
#59
2-Hexanone
Concen: 88.591 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 396196
Ion Ratio Lower Upper
43 100
58 58.2 29.5 88.6

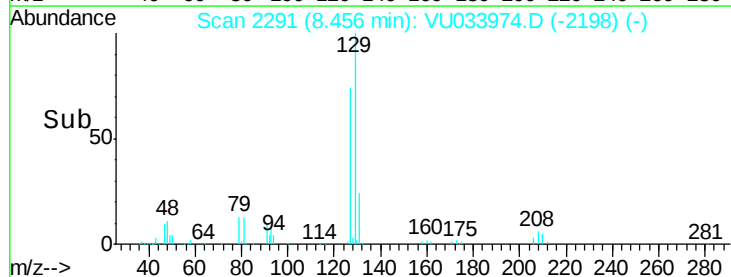
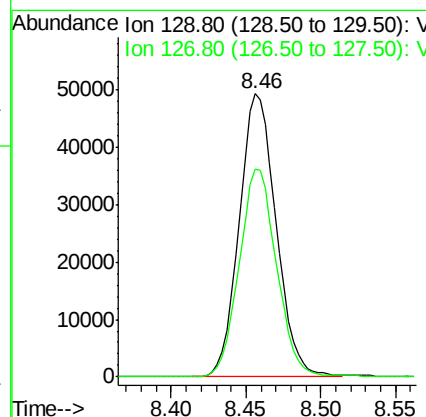
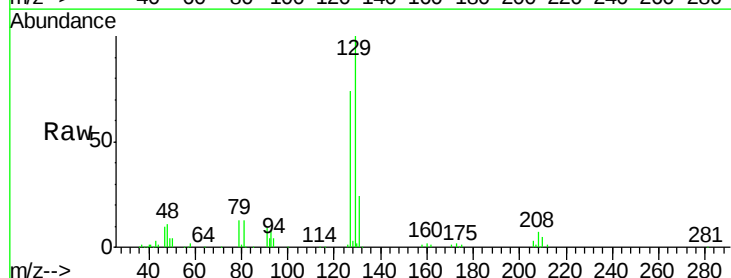
Manual Integrations
APPROVED

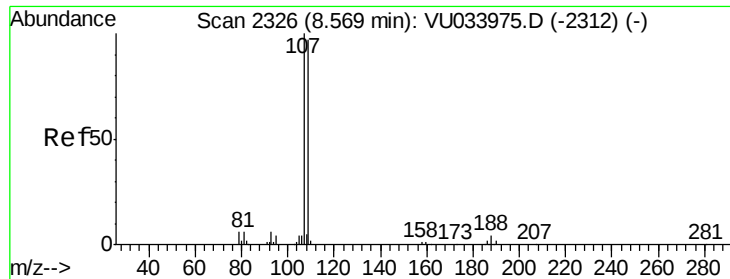
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#60
Dibromochloromethane
Concen: 20.672 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Tgt Ion: 129 Resp: 84724
Ion Ratio Lower Upper
129 100
127 74.6 38.8 116.4





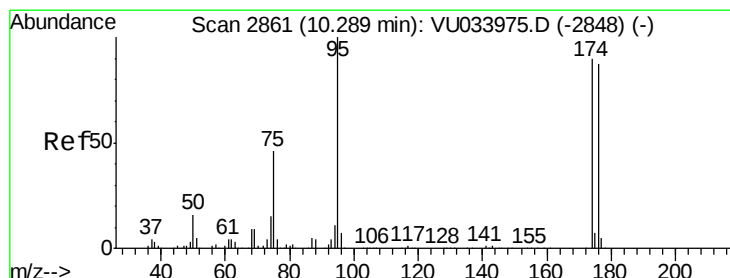
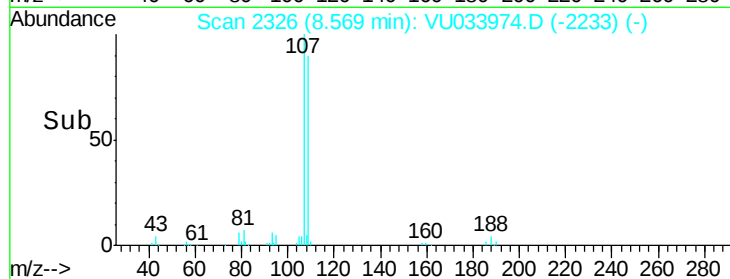
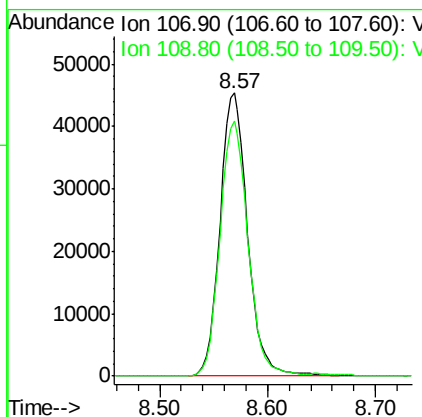
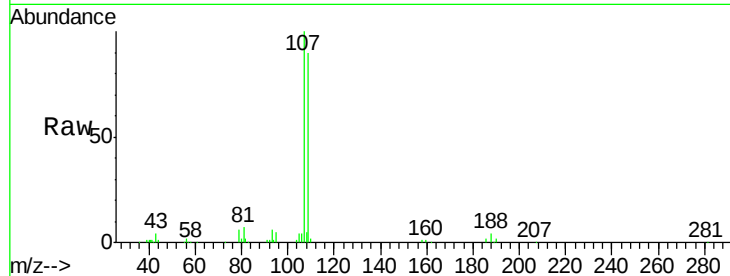
#61
 1,2-Dibromoethane
 Concen: 19.937 ug/l
 RT: 8.57 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	75.7	113.5

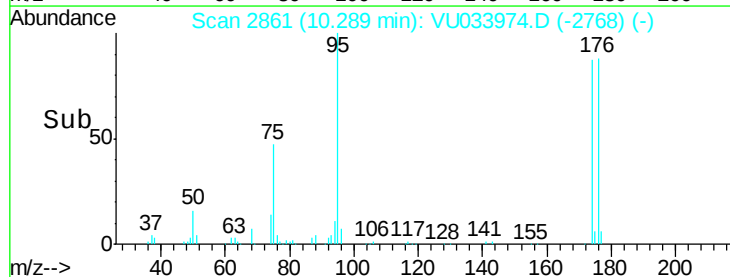
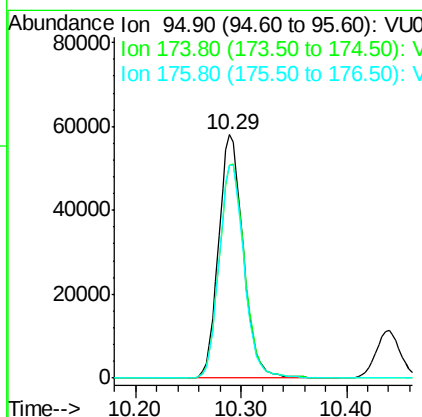
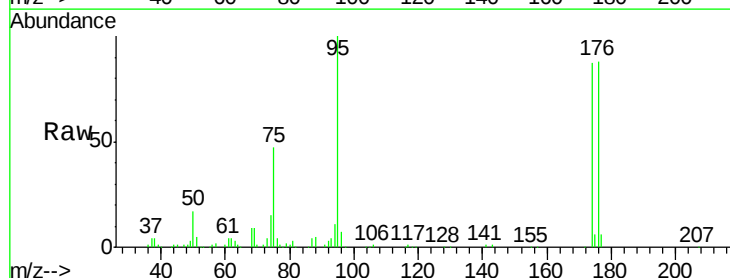
Manual Integrations
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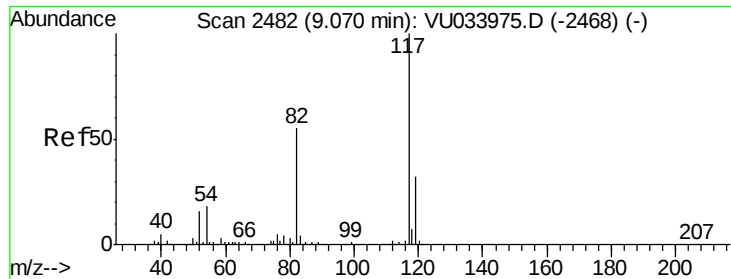
MMDadoda
 8/28/2019 9:57:46 AM



#62
 4-Bromofluorobenzene
 Concen: 18.687 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. -0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	183.8
176	89.0	0.0	176.4





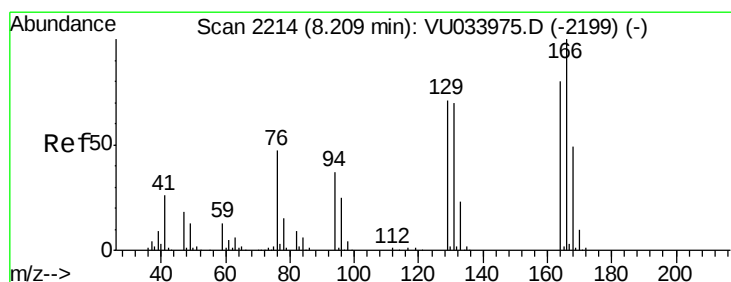
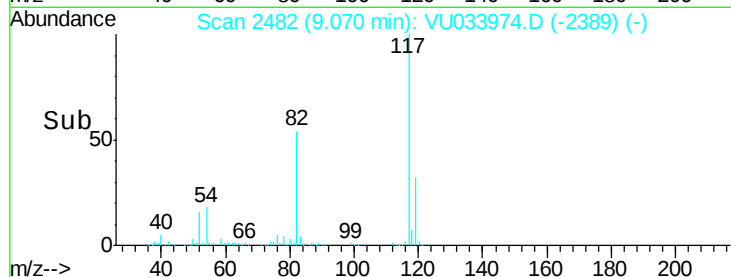
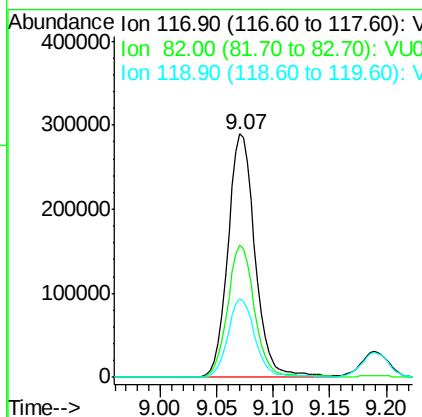
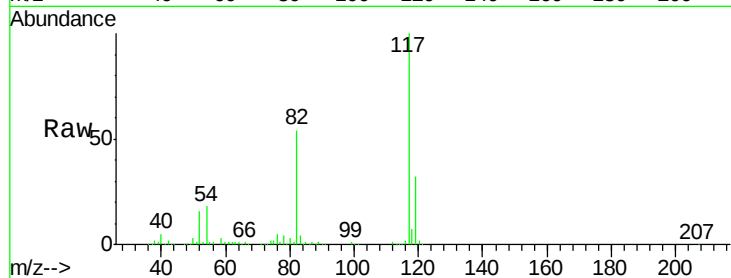
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	484608		
82	54.2		43.8	65.8
119	32.0		25.7	38.5

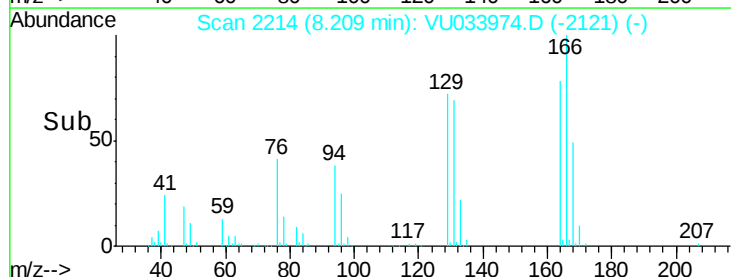
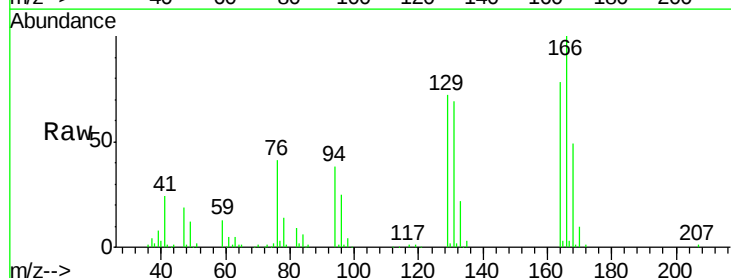
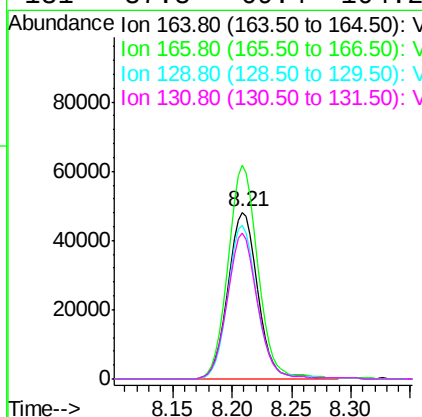
Manual Integrations
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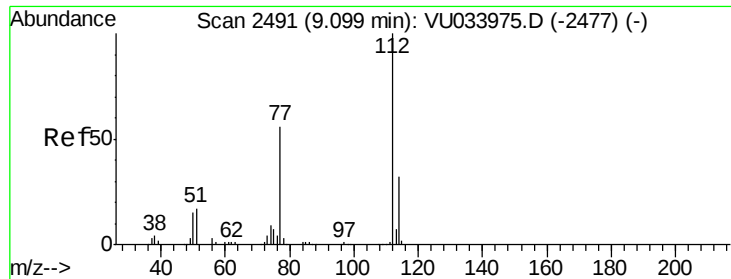
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#64
Tetrachloroethene
Concen: 23.520 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	84155		
166	128.1		99.5	149.3
129	91.9		70.9	106.3
131	87.8		69.4	104.2





#65

Chlorobenzene

Concen: 20.367 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 203728

Ion Ratio Lower Upper

112 100

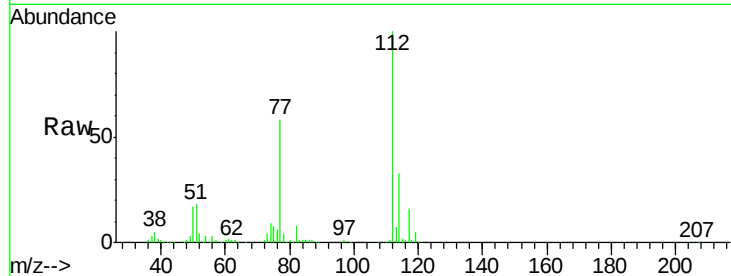
114 33.4 25.8 38.8

Manual Integrations

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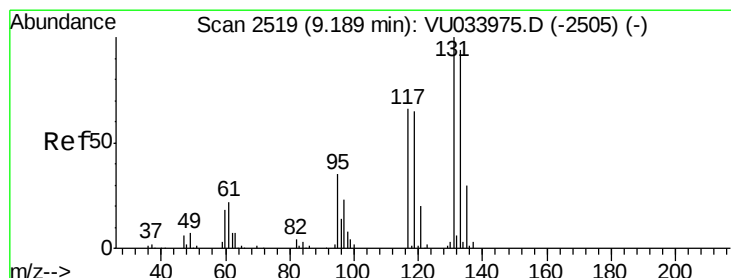
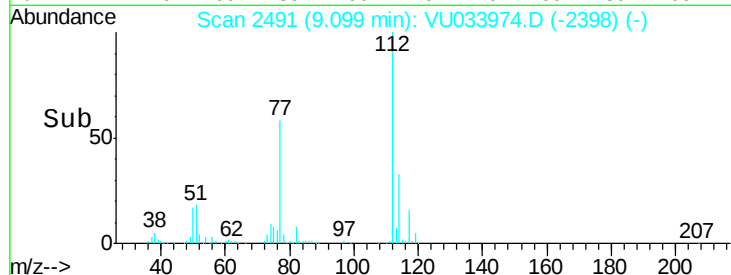
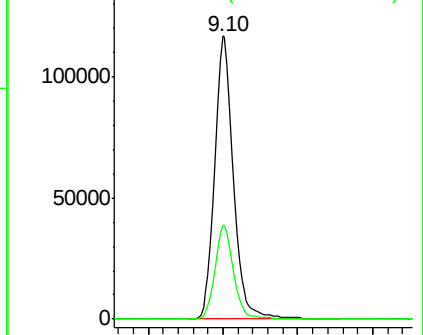
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.391 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

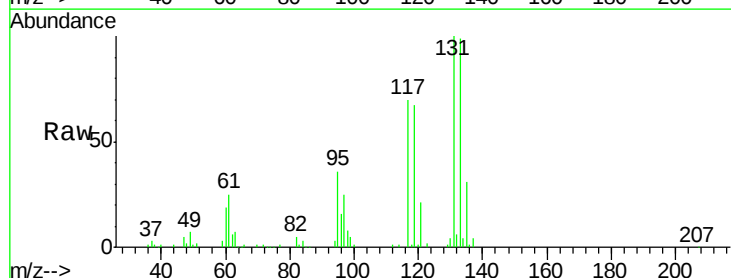
Tgt Ion:131 Resp: 75710

Ion Ratio Lower Upper

131 100

133 97.9 47.6 142.9

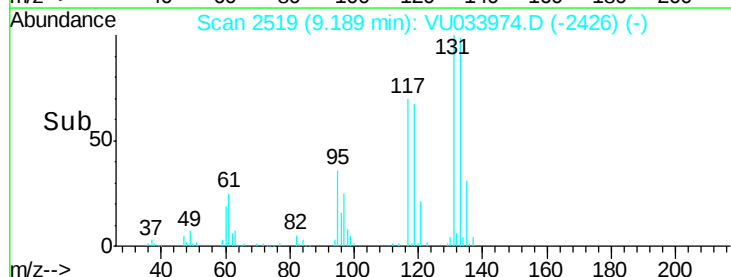
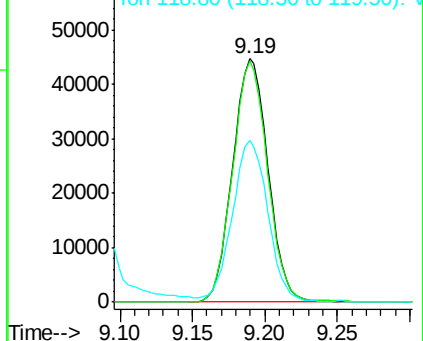
119 66.2 33.0 98.9

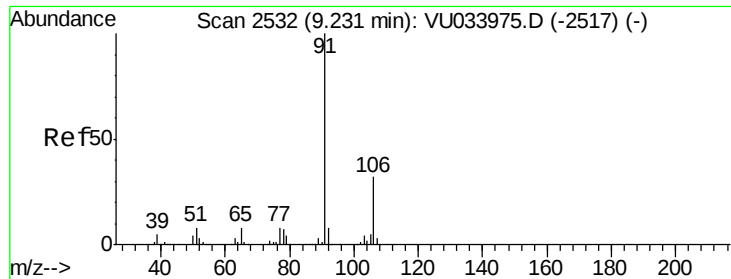


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.063 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 344003

Ion Ratio Lower Upper

91 100

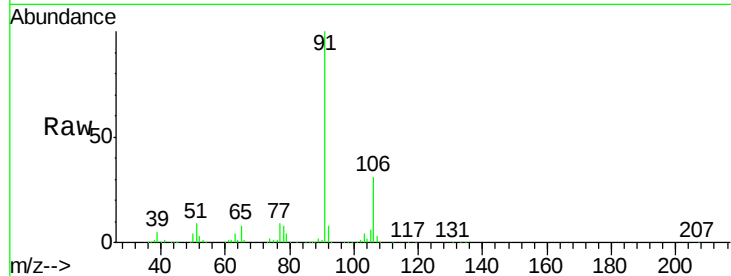
106 31.4 25.4 38.0

Manual Integrations

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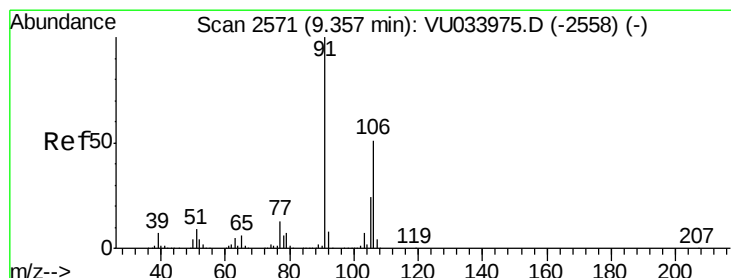
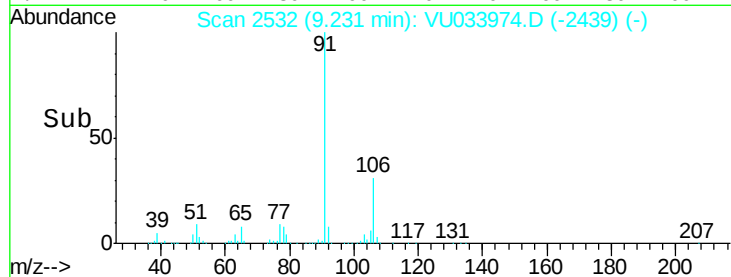
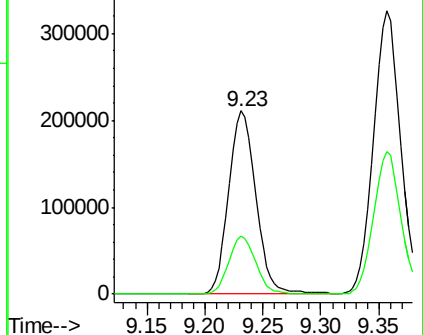
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Abundance Ion 91.00 (90.70 to 91.70): VU033975.D (-2517) (-)

Ion 106.00 (105.70 to 106.70): VU033975.D (-2517) (-)



#68

m/p-Xylenes

Concen: 45.513 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. -0.00 min

Lab File: VU033974.D

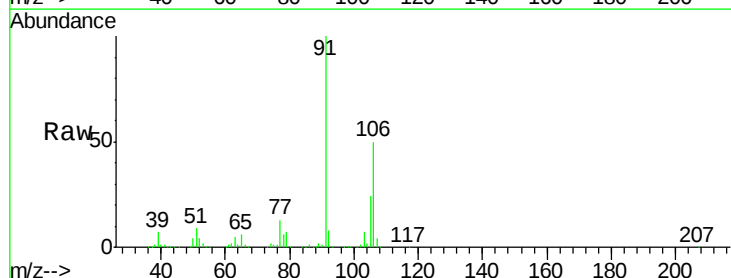
Acq: 27 Aug 2019 15:30

Tgt Ion: 106 Resp: 275168

Ion Ratio Lower Upper

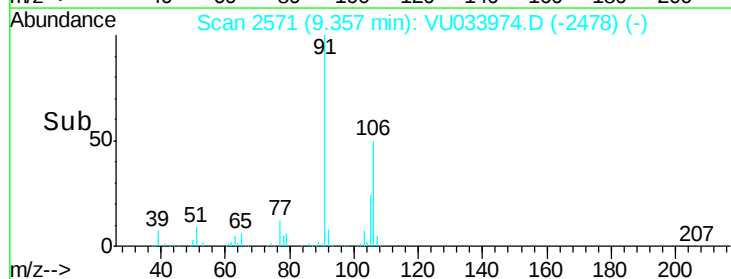
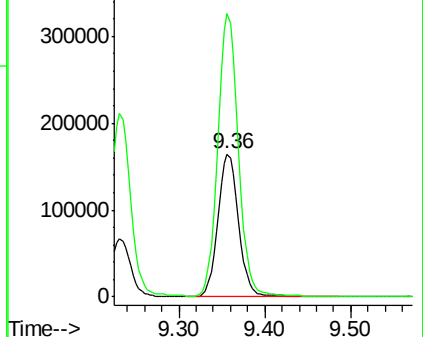
106 100

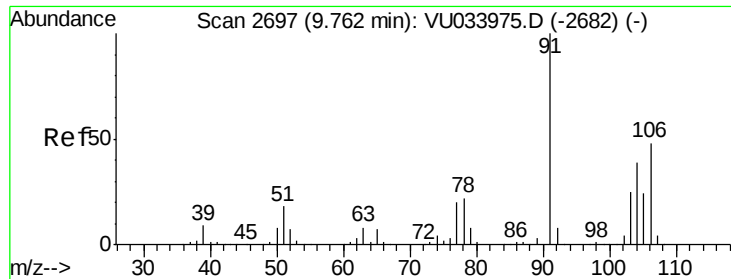
91 196.9 158.4 237.6



Abundance Ion 106.00 (105.70 to 106.70): VU033975.D (-2558) (-)

Ion 91.00 (90.70 to 91.70): VU033975.D (-2558) (-)





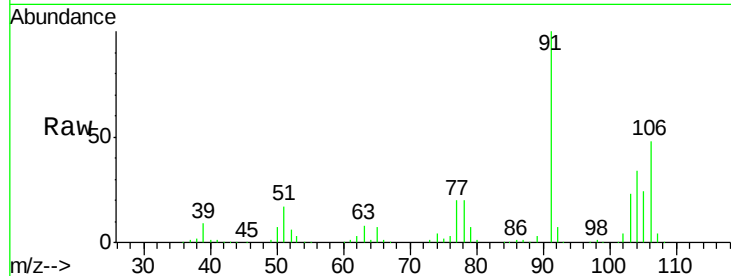
#69
o-Xylene
Concen: 22.032 ug/l
RT: 9.76 min Scan# 2697
Delta R.T. -0.00 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

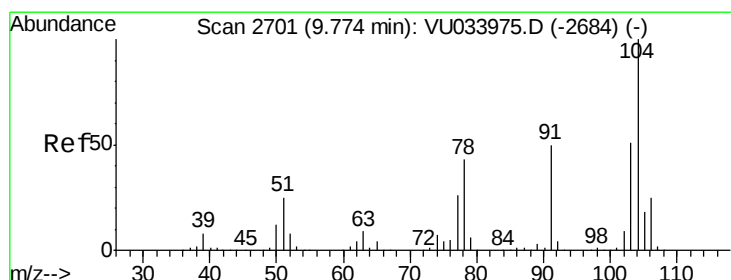
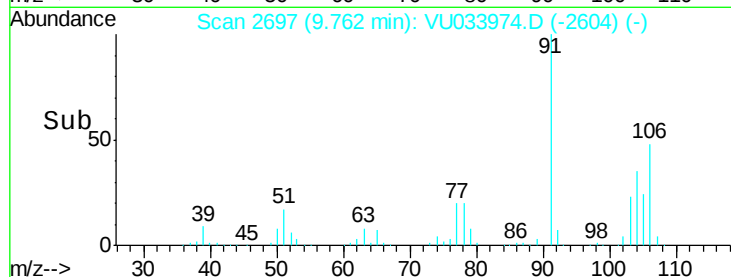
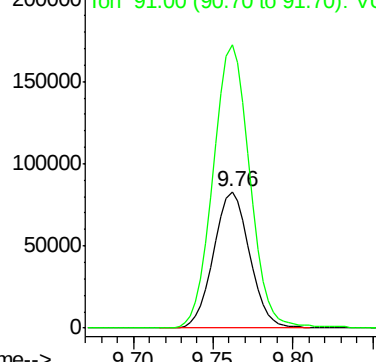
Tot Ion	Ratio	Lower	Upper
106	100		
91	211.5	104.5	313.3

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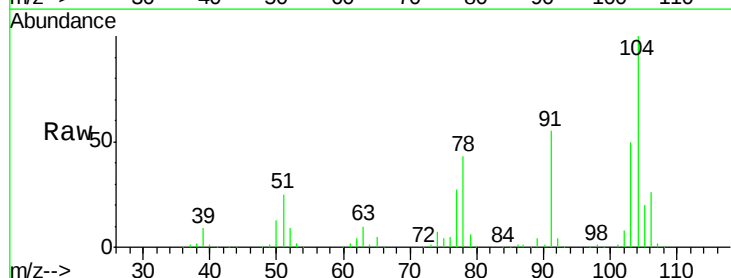


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

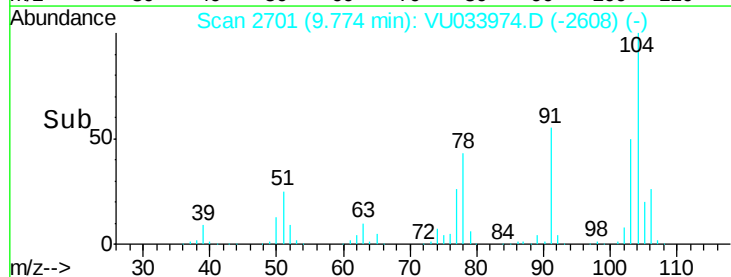
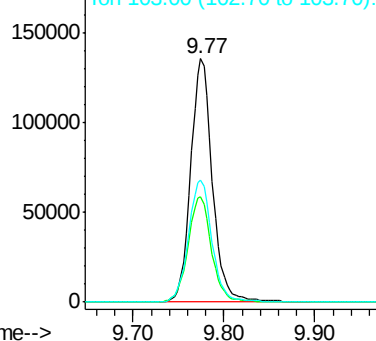


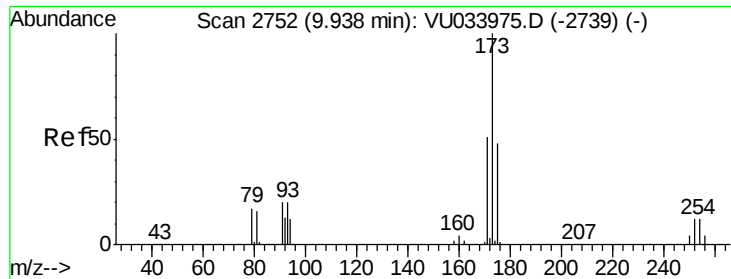
#70
Styrene
Concen: 22.526 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.0	37.5	56.3
103	54.6	43.9	65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.911 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

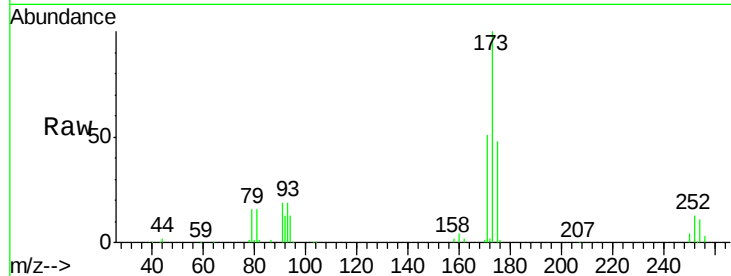
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.3	72.9
254	0.0	0.1	0.1#

Manual Integrations
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MMDadoda
8/28/2019 9:57:46 AM

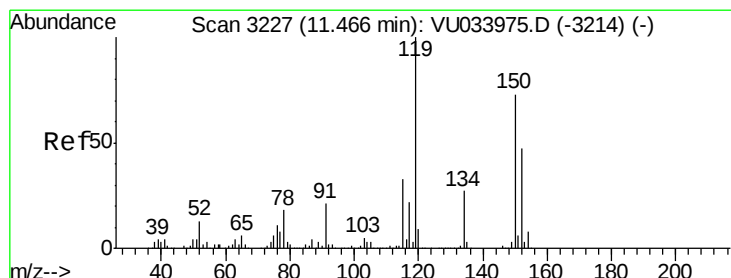
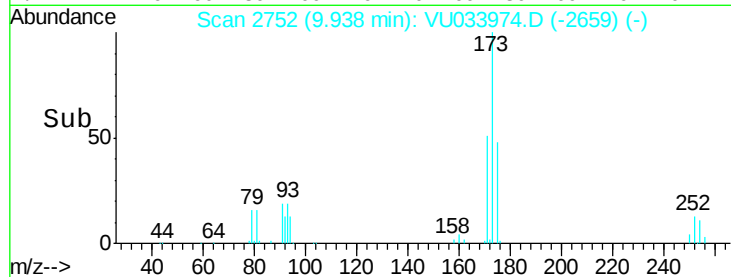
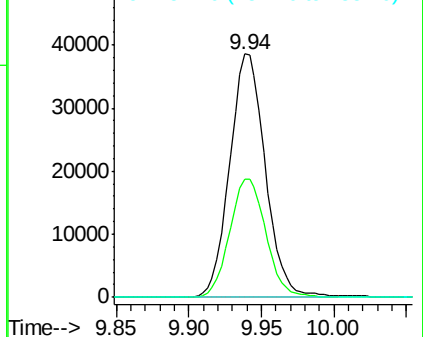


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.47 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

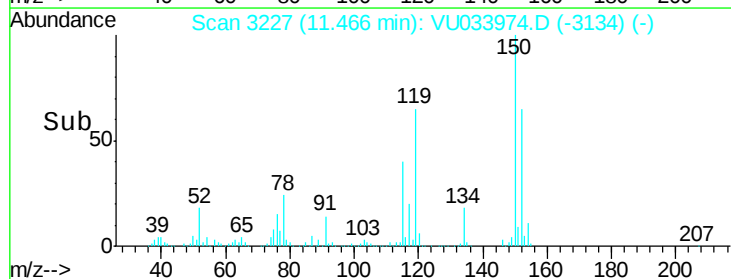
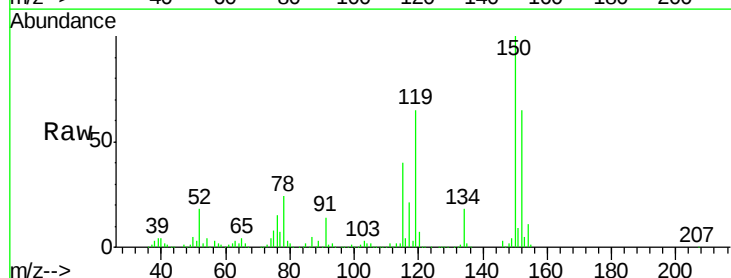
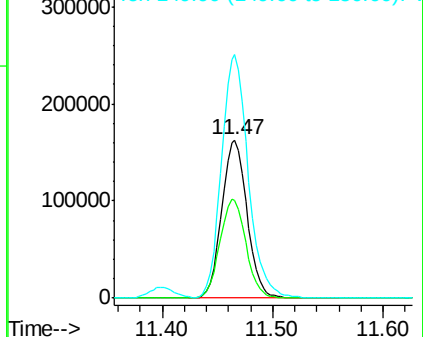
Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.6	38.6	115.7
150	161.8	0.0	343.8

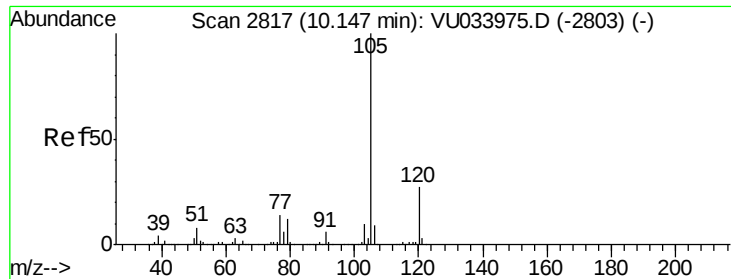
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.920 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 350595

Ion Ratio Lower Upper

105 100

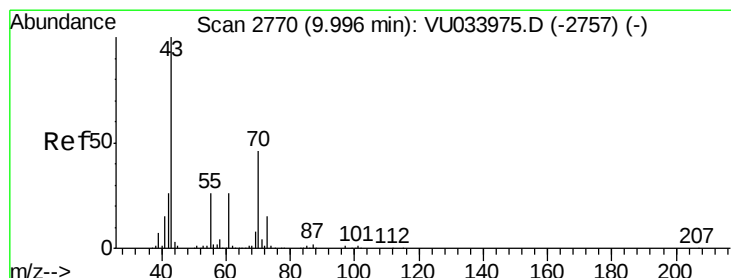
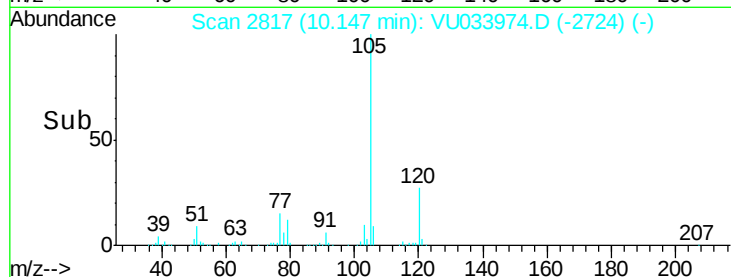
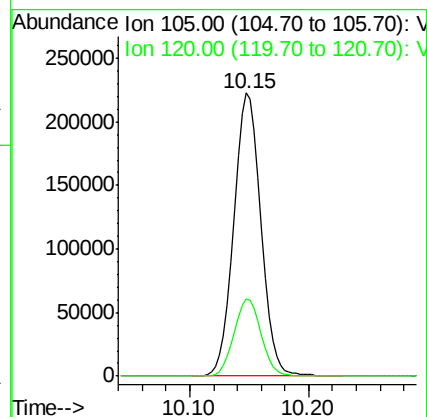
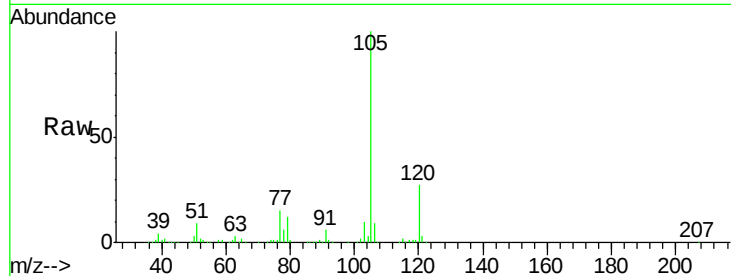
120 27.3 13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.808 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Tgt Ion: 43 Resp: 126325

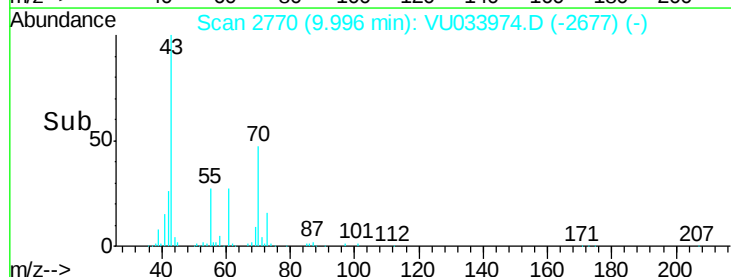
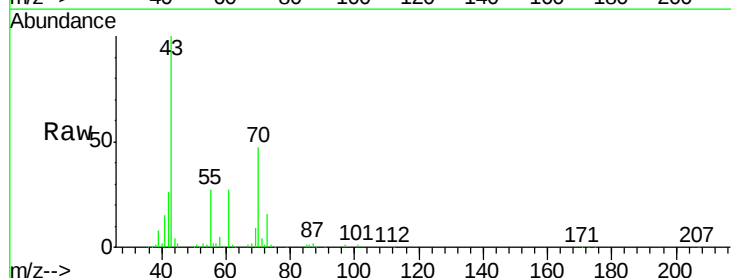
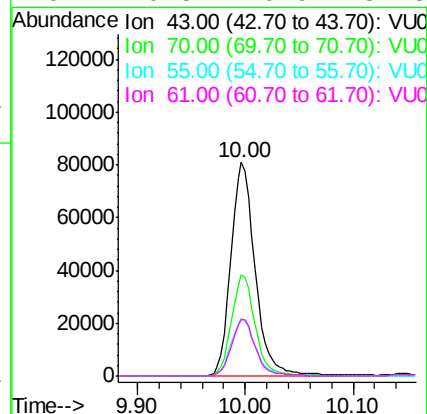
Ion Ratio Lower Upper

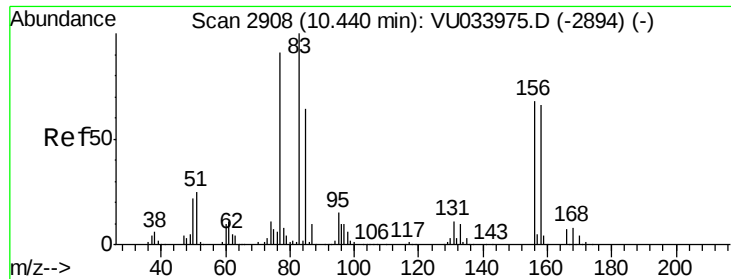
43 100

70 46.5 37.4 56.0

55 27.5 21.0 31.4

61 26.5 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 18.191 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

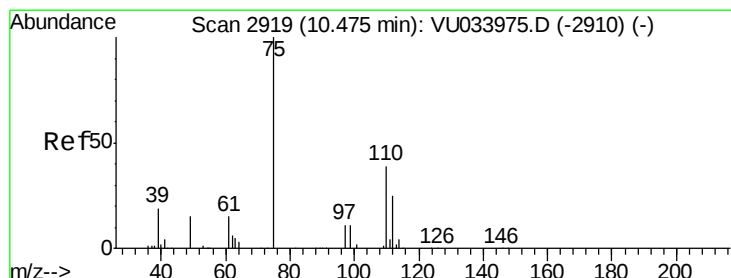
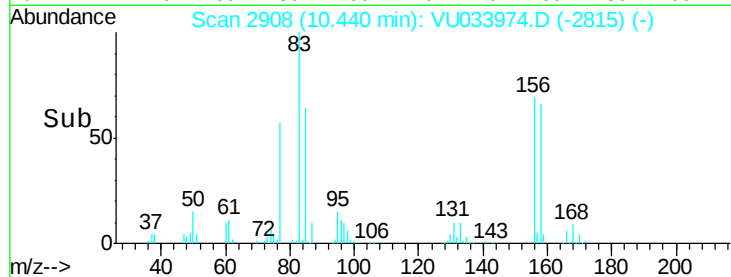
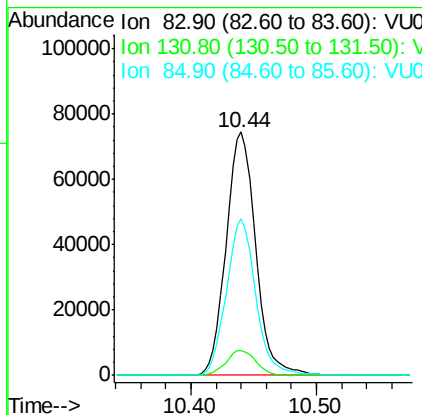
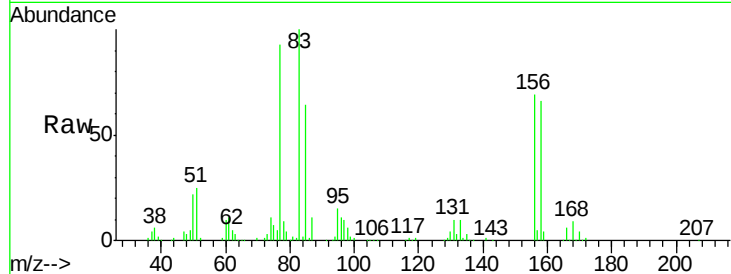
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	121816
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	16.1
85	63.9	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.170 ug/l m

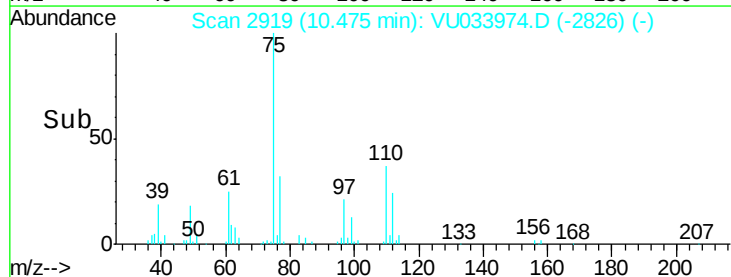
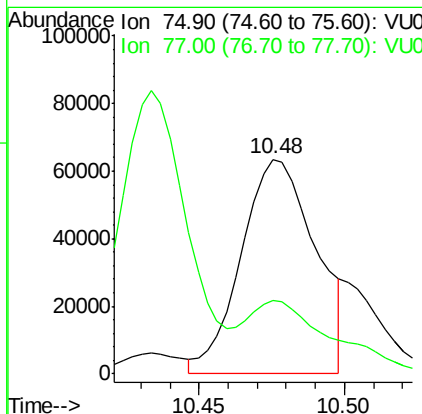
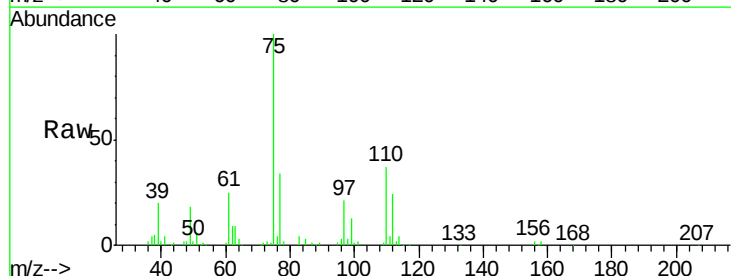
RT: 10.48 min Scan# 2919

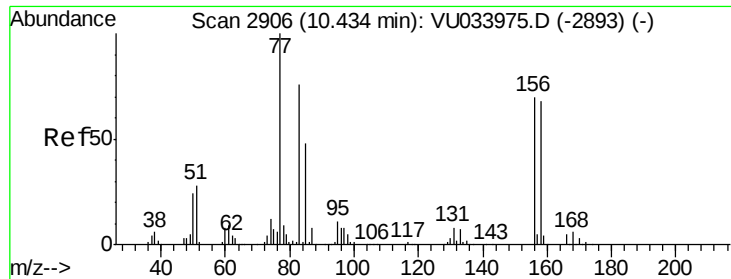
Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Tgt Ion:	75	Resp:	113016
Ion Ratio	Lower	Upper	
75	100		
77	38.8	21.0	63.0





#77

Bromobenzene

Concen: 22.411 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 96738

Ion Ratio Lower Upper

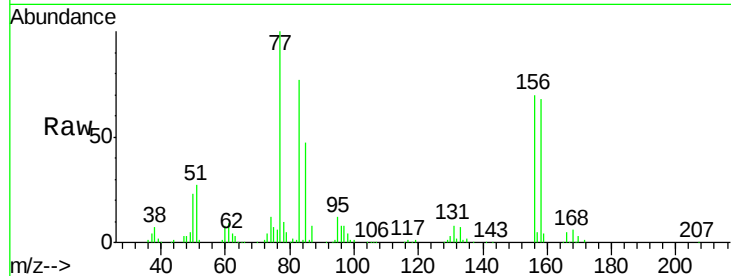
156 100

77 139.2 70.3 211.1

158 96.8 48.3 144.8

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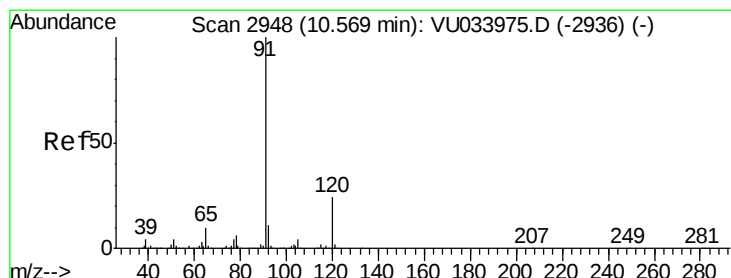
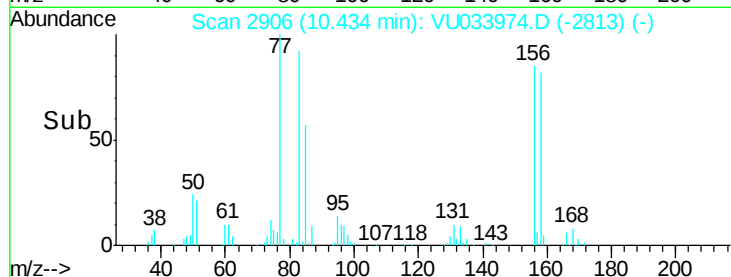
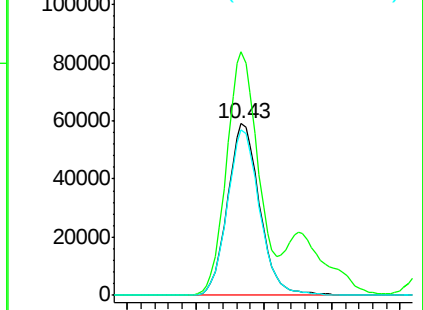
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.020 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU033974.D

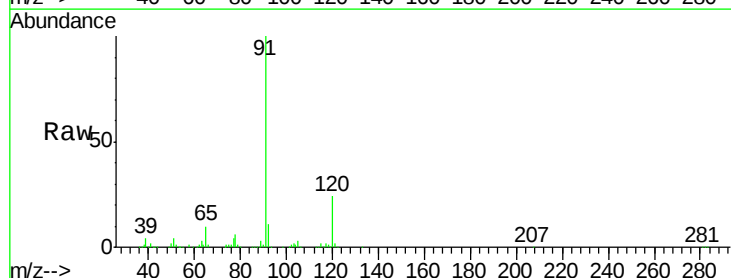
Acq: 27 Aug 2019 15:30

Tgt Ion: 91 Resp: 397683

Ion Ratio Lower Upper

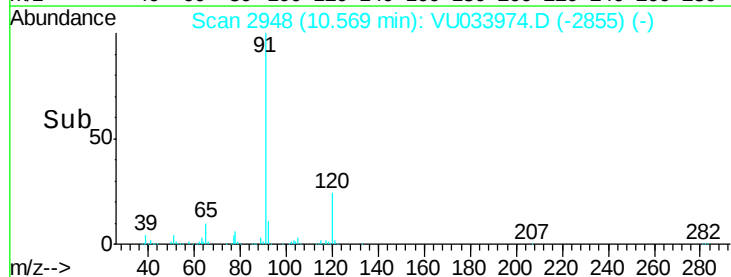
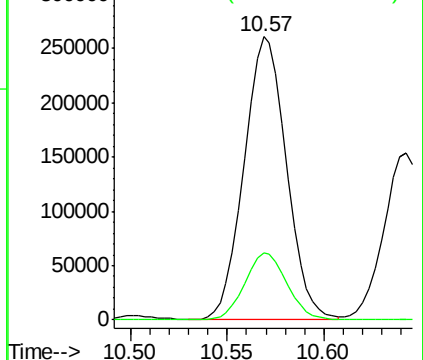
91 100

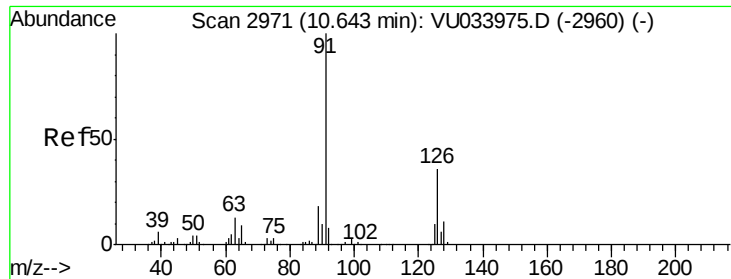
120 23.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.364 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 242492

Ion Ratio Lower Upper

91 100

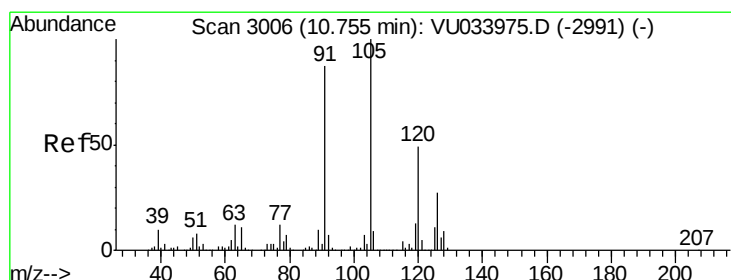
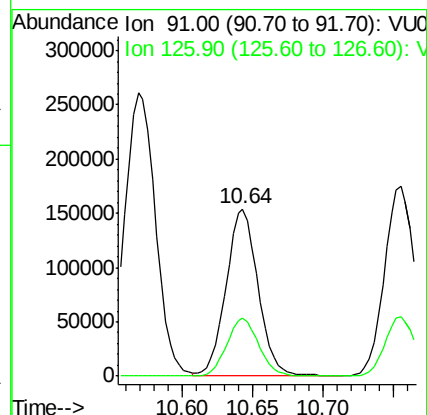
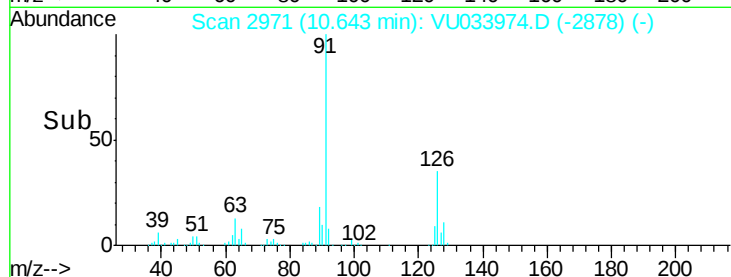
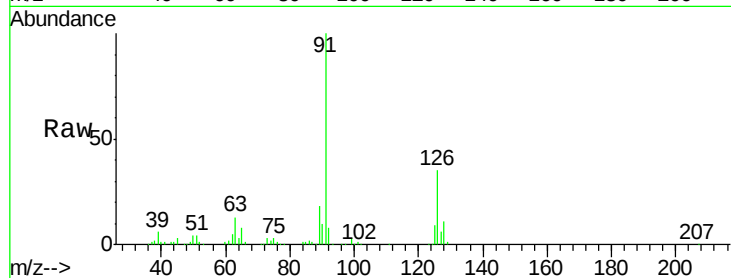
126 34.9 17.8 53.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.432 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033974.D

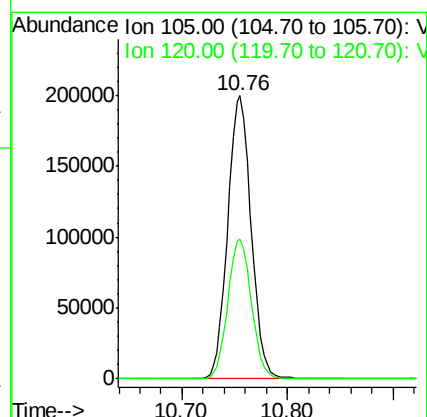
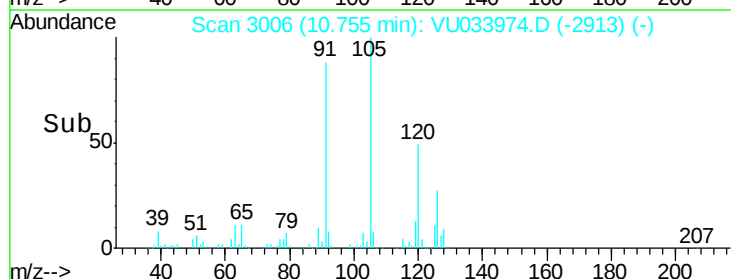
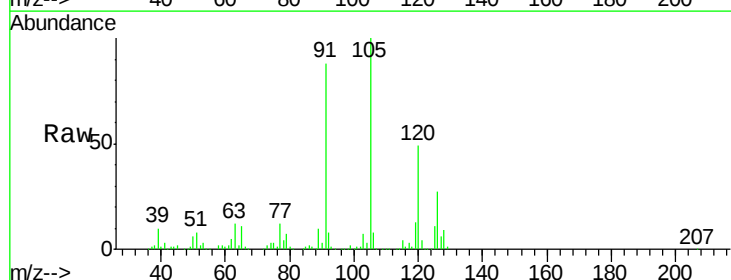
Acq: 27 Aug 2019 15:30

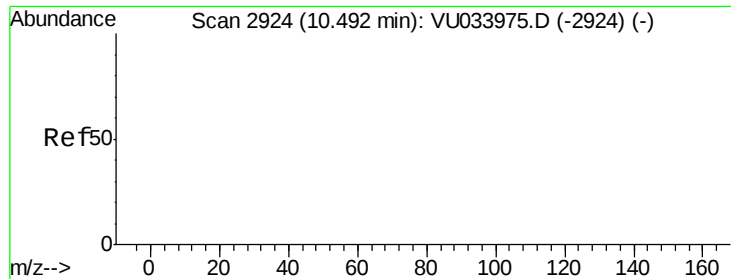
Tgt Ion: 105 Resp: 306957

Ion Ratio Lower Upper

105 100

120 49.9 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 14.476 ug/l m

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 31188

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

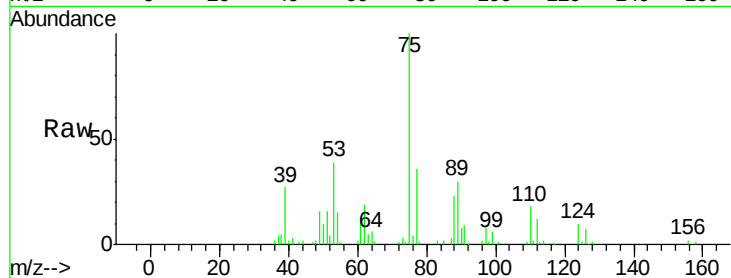
89 0.0 0.0 0.0

Manual Integrations

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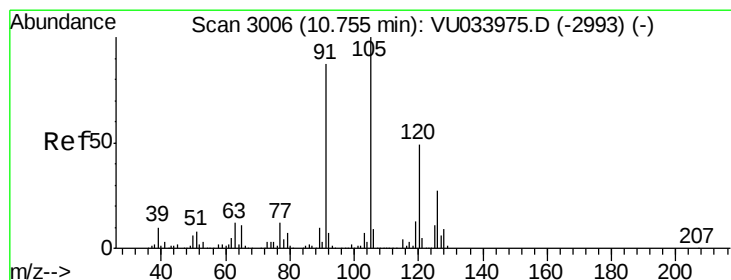
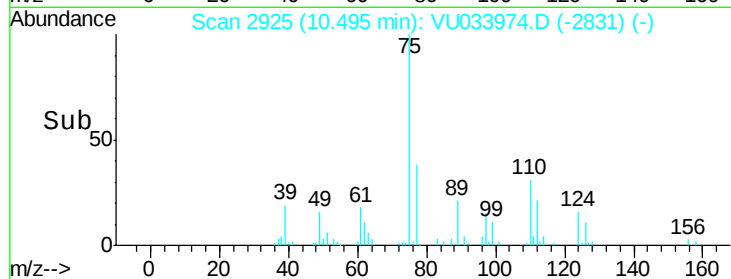
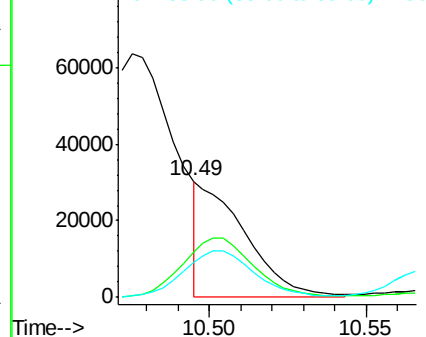
8/28/2019 9:57:46 AM



Abundance Ion 74.90 (74.60 to 75.60): VU033975.D (-2924) (-)

Ion 53.00 (52.70 to 53.70): VU033975.D (-2924) (-)

Ion 88.90 (88.60 to 89.60): VU033975.D (-2924) (-)



#82

4-Chlorotoluene

Concen: 20.543 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033974.D

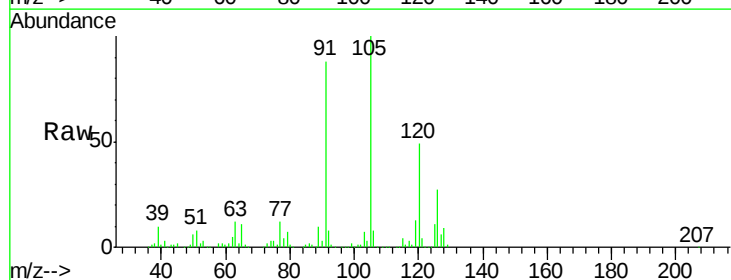
Acq: 27 Aug 2019 15:30

Tgt Ion: 91 Resp: 273638

Ion Ratio Lower Upper

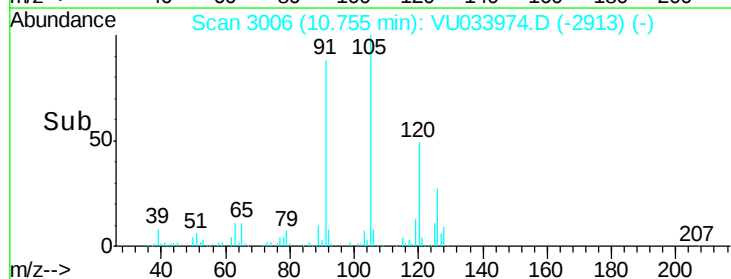
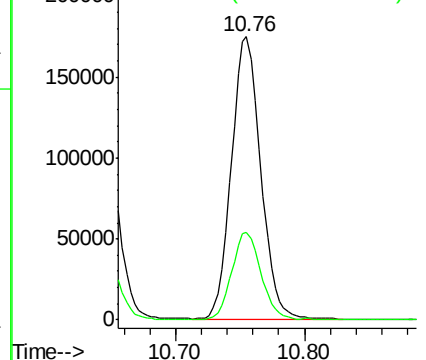
91 100

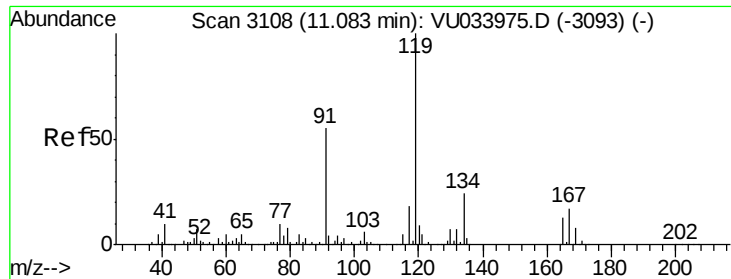
126 30.9 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VU033975.D (-2993) (-)

Ion 125.90 (125.60 to 126.60): VU033975.D (-2993) (-)





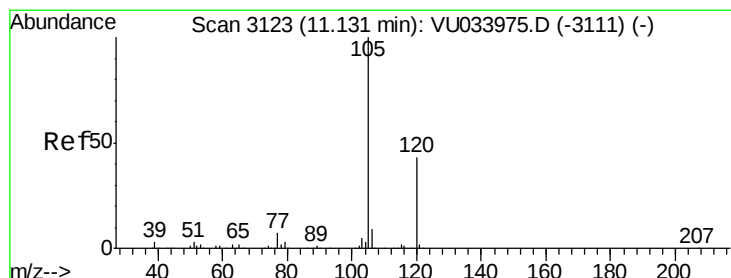
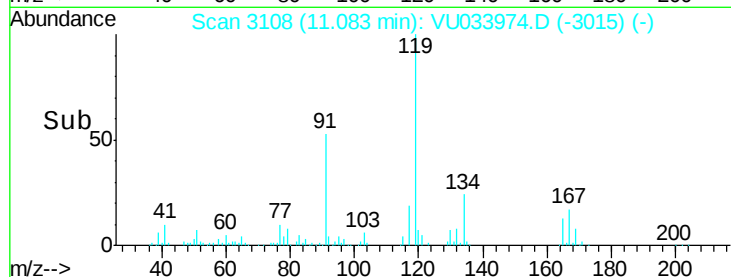
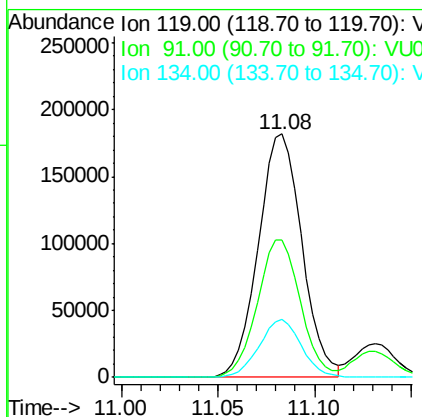
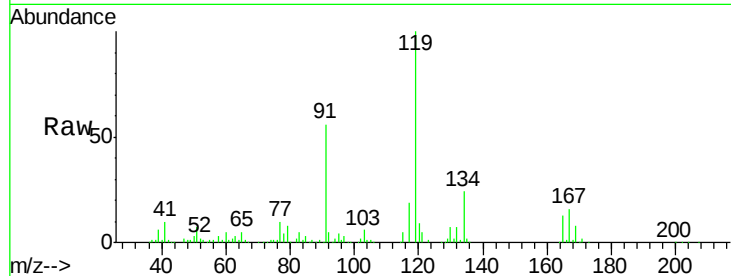
#83
 tert-Butylbenzene
 Concen: 22.363 ug/l
 RT: 11.08 min Scan# 3108
 Delta R.T. -0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	286539		
91	55.8		27.6	82.8
134	22.9		11.6	34.7

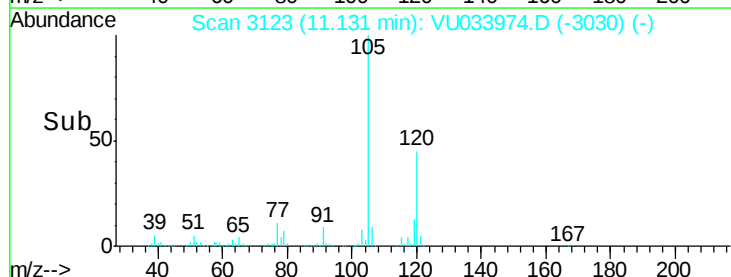
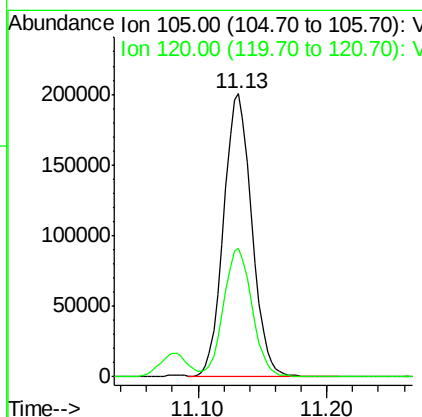
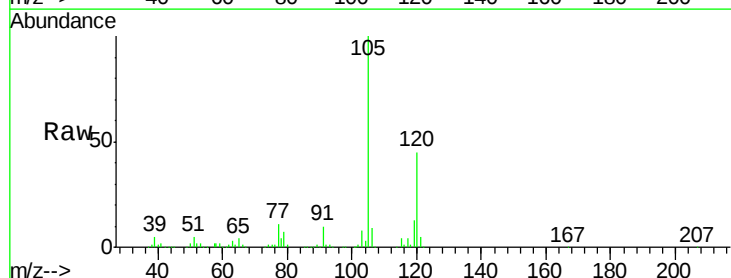
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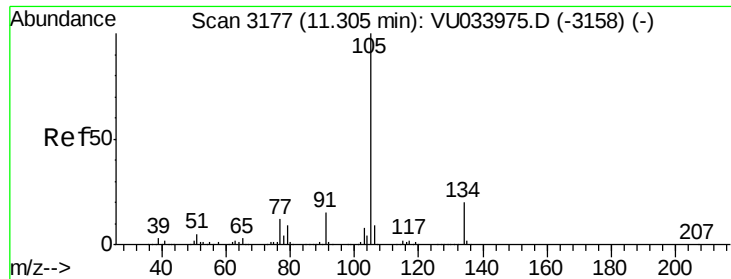
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.765 ug/l
 RT: 11.13 min Scan# 3123
 Delta R.T. -0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	302665		
120	45.9		23.3	69.9





#85

sec-Butylbenzene

Concen: 21.792 ug/l

RT: 11.30 min Scan# 3177

Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 348833

Ion Ratio Lower Upper

105 100

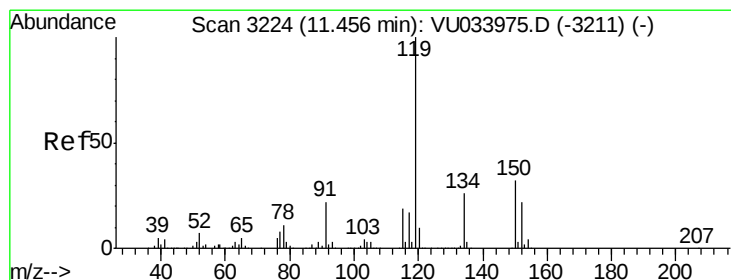
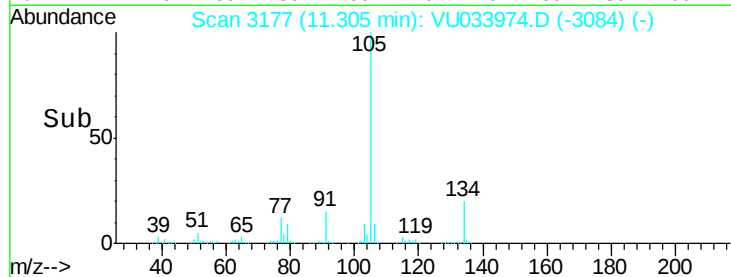
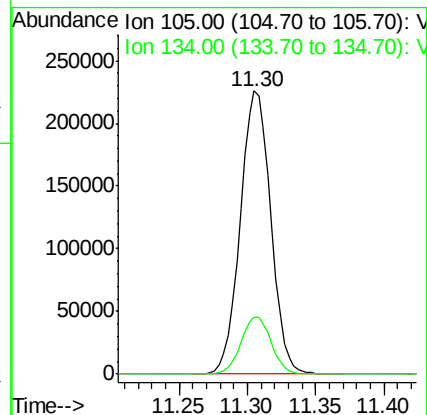
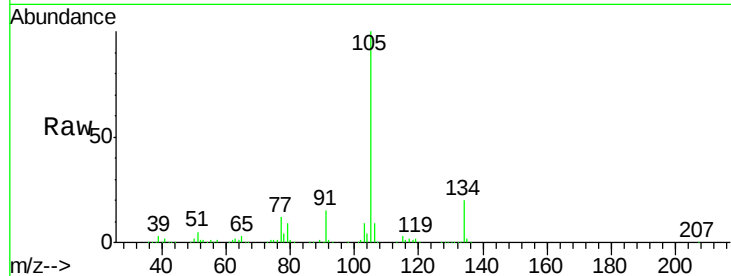
134 20.2 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 22.485 ug/l

RT: 11.46 min Scan# 3225

Delta R.T. 0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

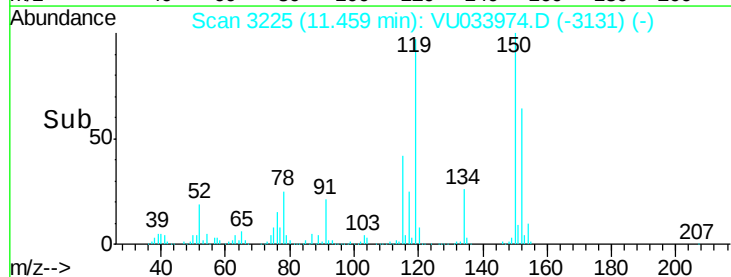
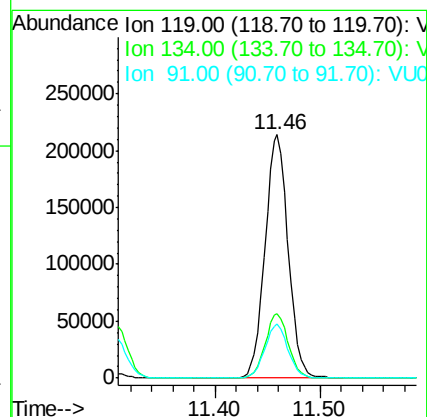
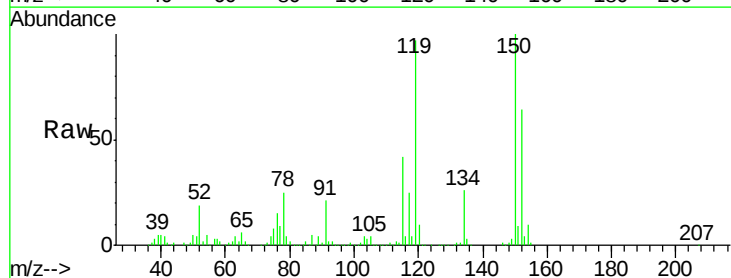
Tgt Ion:119 Resp: 328059

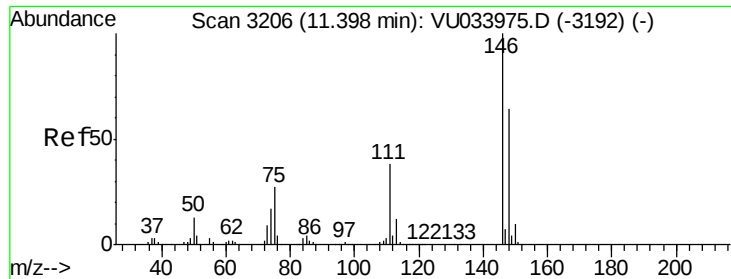
Ion Ratio Lower Upper

119 100

134 26.3 13.0 38.9

91 21.9 10.9 32.9





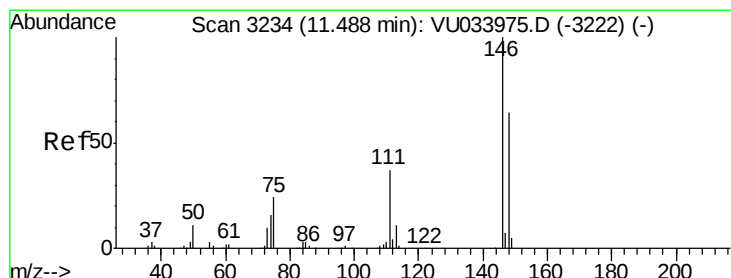
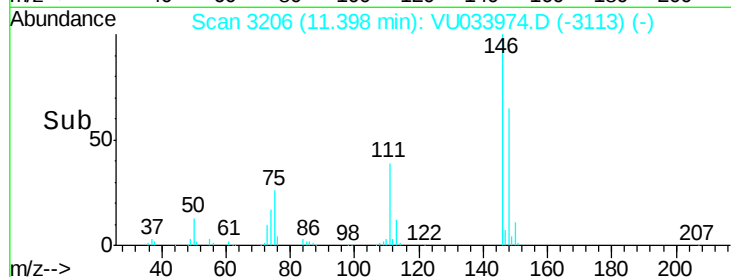
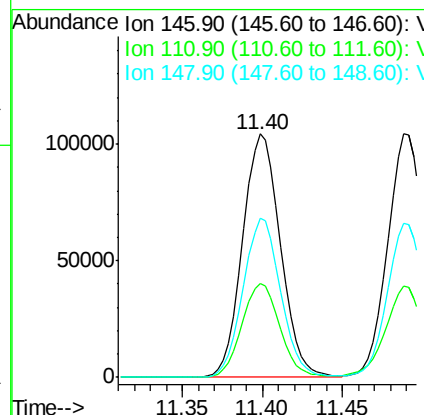
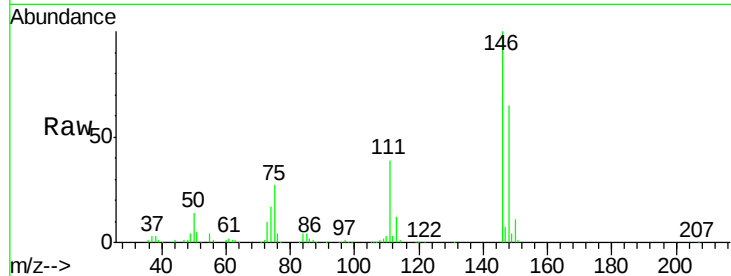
#87
 1,3-Dichlorobenzene
 Concen: 20.735 ug/l
 RT: 11.40 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.8	56.4
148	64.8	31.9	95.7

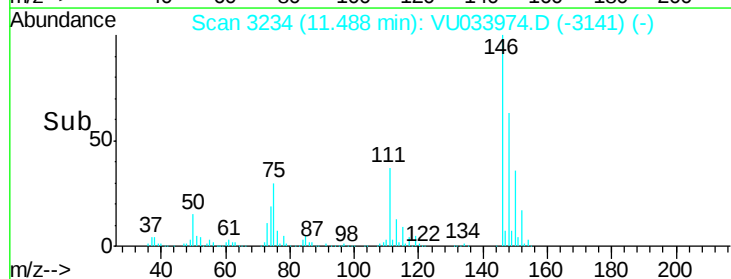
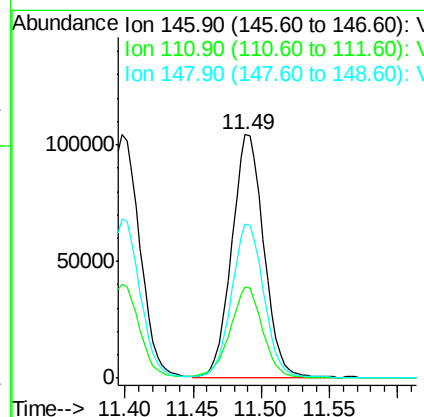
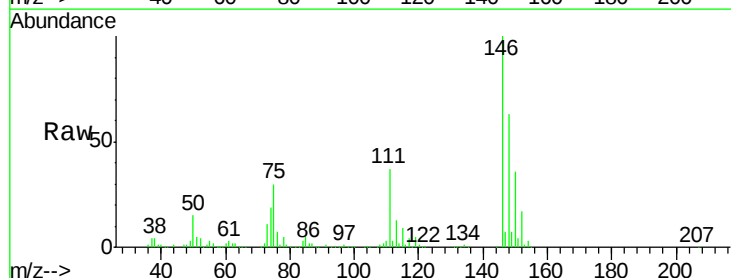
Manual Integrations
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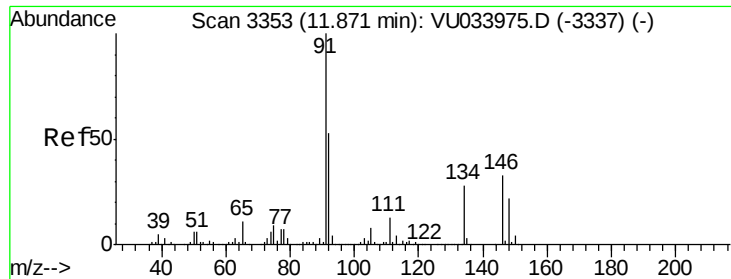
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#88
 1,4-Dichlorobenzene
 Concen: 20.193 ug/l
 RT: 11.49 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.4
148	64.3	31.9	95.7





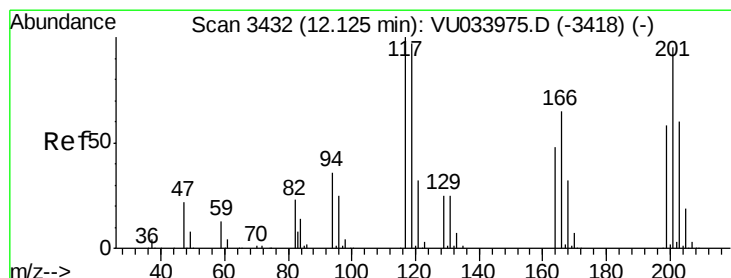
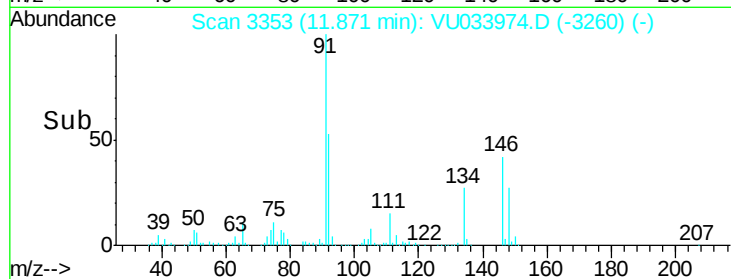
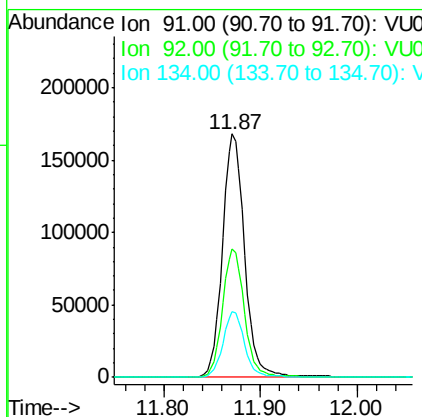
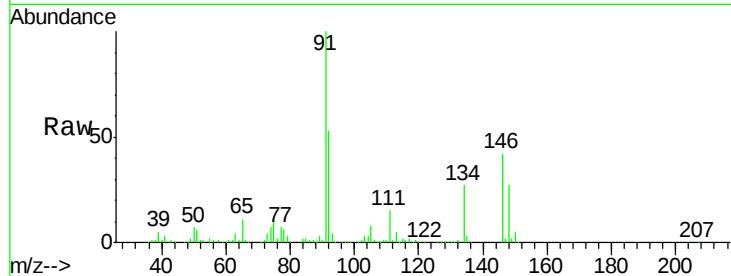
#89
n-Butylbenzene
Concen: 20.593 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. -0.00 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.7	80.0
134	26.2	13.6	40.8

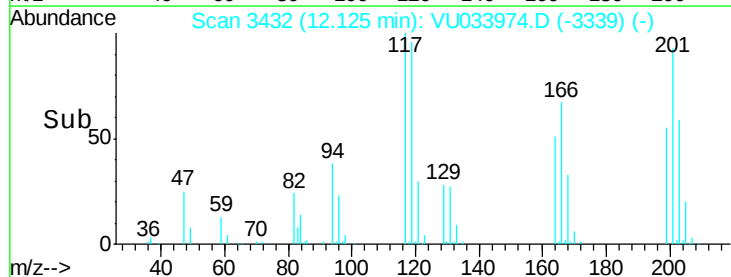
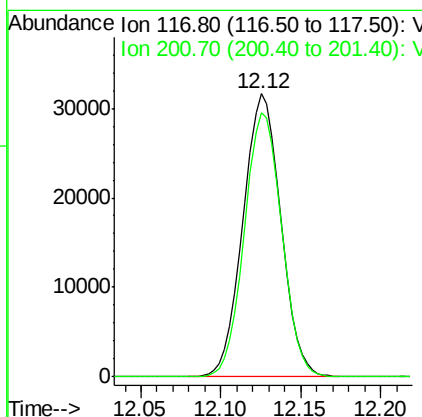
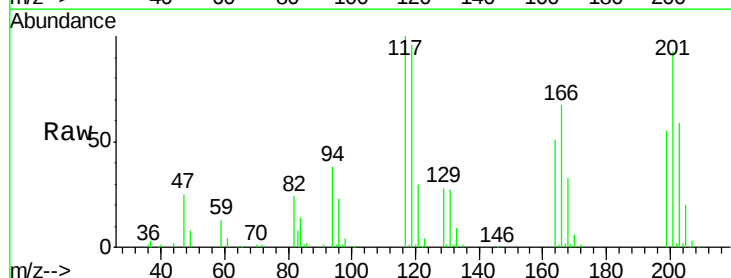
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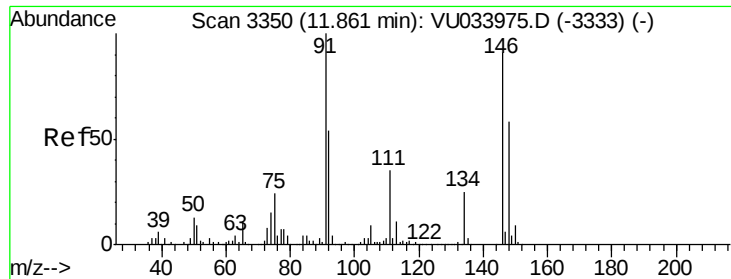
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#90
Hexachloroethane
Concen: 18.193 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. -0.00 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.9	47.5	142.5





#91

1,2-Dichlorobenzene

Concen: 21.581 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Instrument :

MSVOA_U

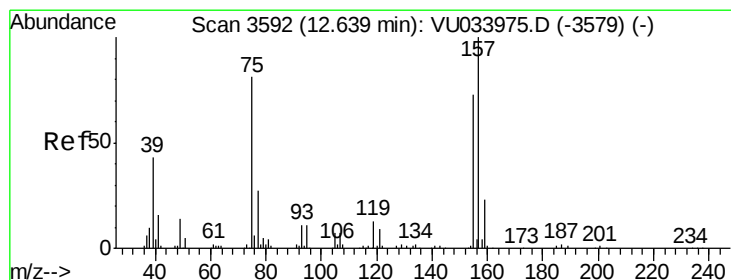
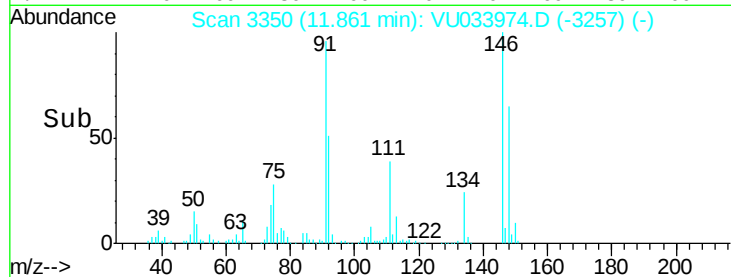
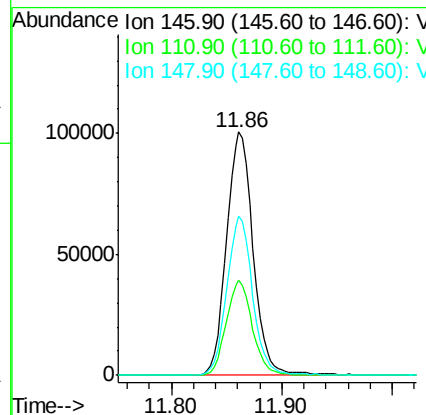
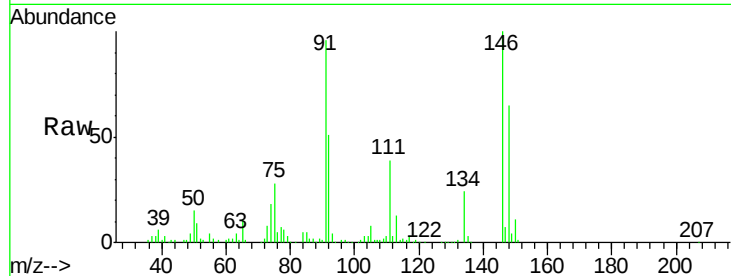
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	168455
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.8	59.3
148	63.6	32.0	96.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.197 ug/l

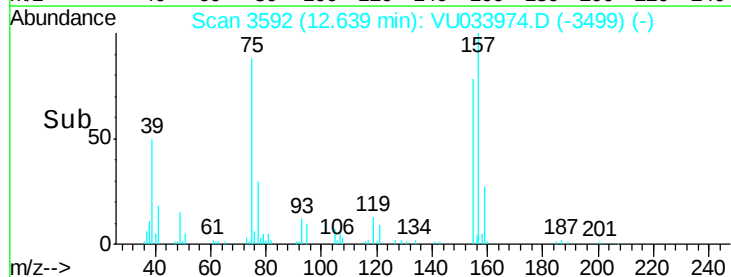
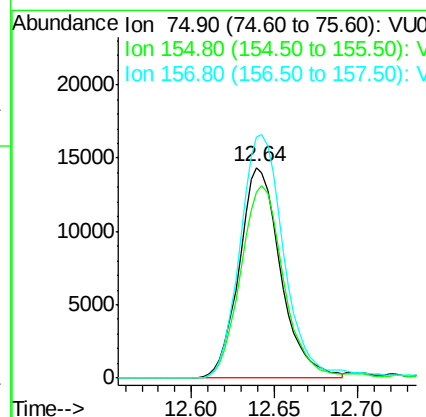
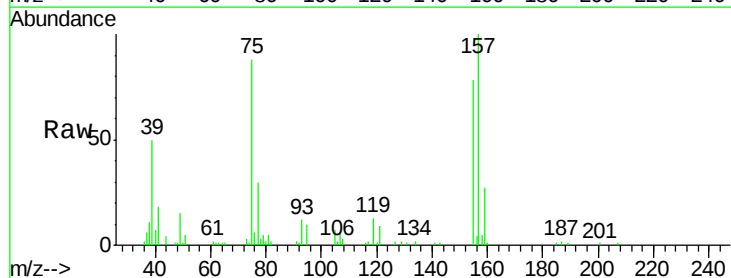
RT: 12.64 min Scan# 3592

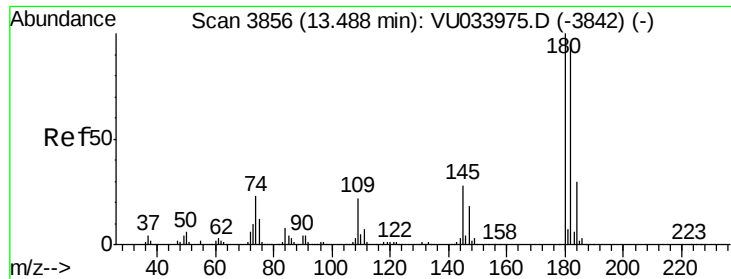
Delta R.T. -0.00 min

Lab File: VU033974.D

Acq: 27 Aug 2019 15:30

Tgt Ion:	75	Resp:	25060
Ion Ratio	Lower	Upper	
75	100		
155	94.2	46.9	140.6
157	123.6	61.2	183.6





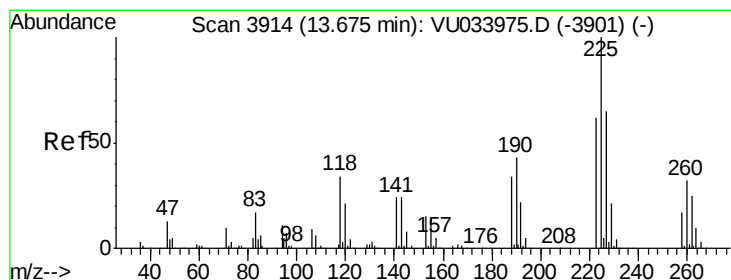
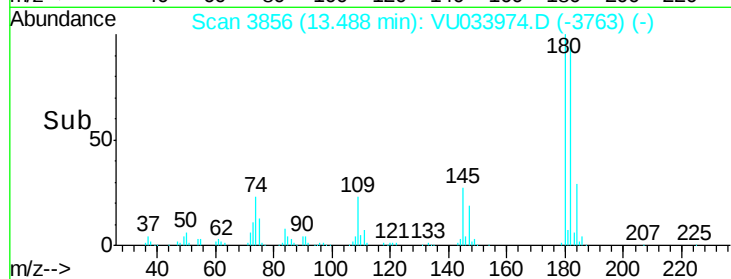
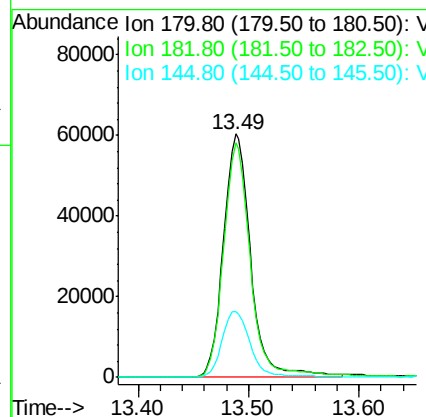
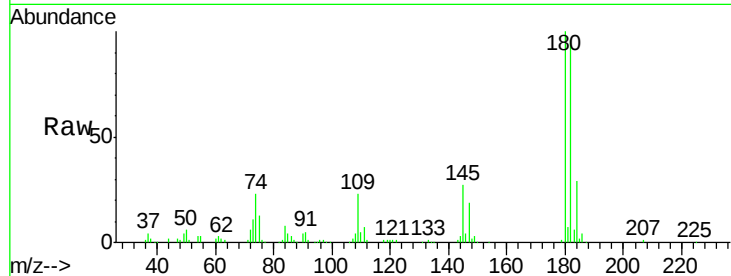
#93
 1,2,4-Trichlorobenzene
 Concen: 22.059 ug/l
 RT: 13.49 min Scan# 3856
 Delta R.T. -0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	47.4	142.2	
145	27.5	14.4	43.2	

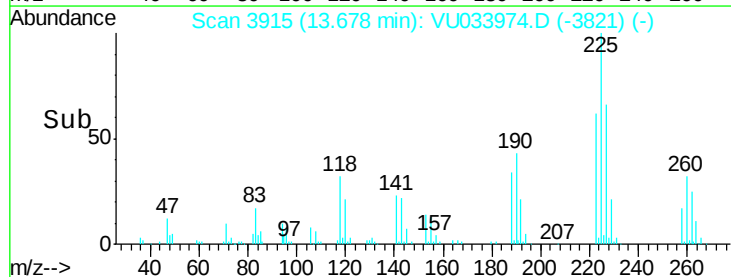
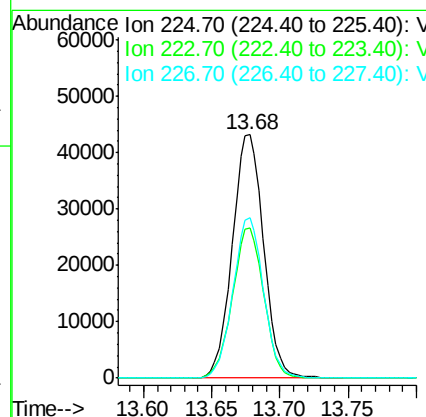
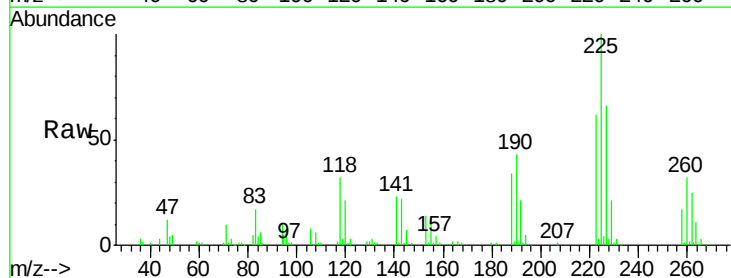
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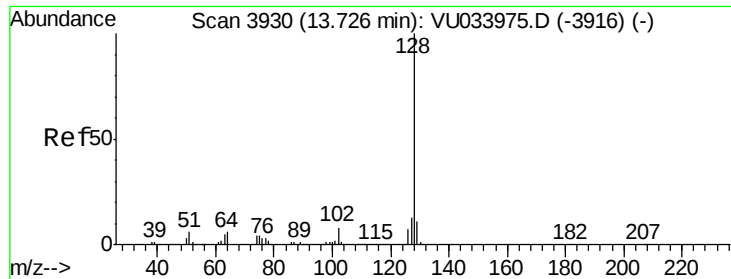
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#94
 Hexachlorobutadiene
 Concen: 23.163 ug/l
 RT: 13.68 min Scan# 3915
 Delta R.T. 0.00 min
 Lab File: VU033974.D
 Acq: 27 Aug 2019 15:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.6	31.7	95.1	
227	64.2	33.0	99.0	





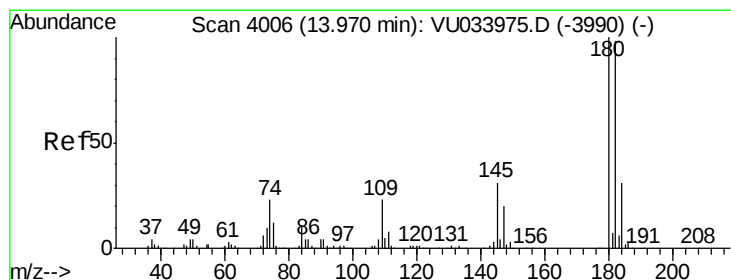
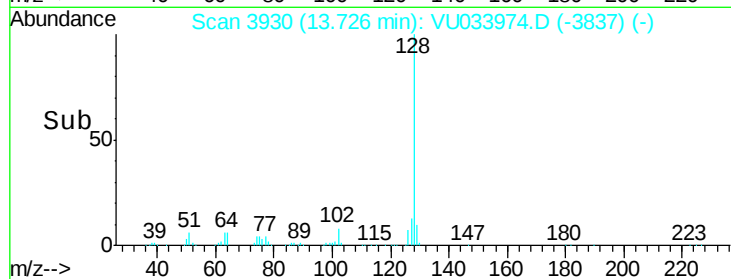
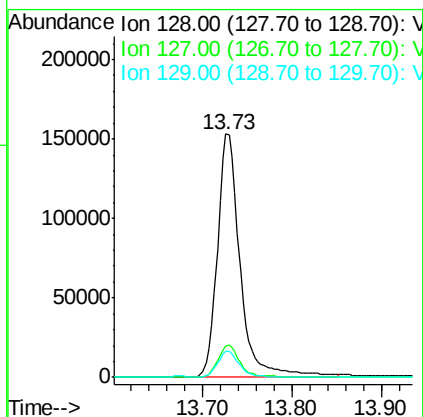
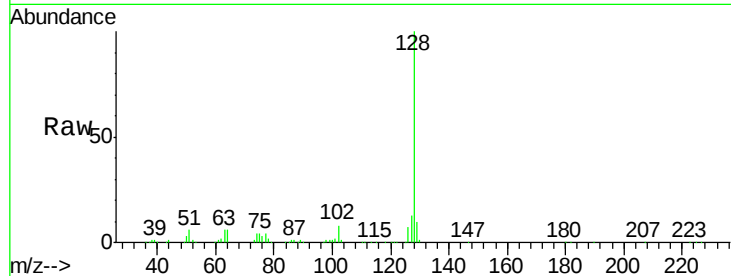
#95
Naphthalene
Concen: 21.080 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. -0.00 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	9.8	8.5	12.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.942 ug/l
RT: 13.97 min Scan# 4007
Delta R.T. 0.00 min
Lab File: VU033974.D
Acq: 27 Aug 2019 15:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	48.4	145.3
145	30.5	15.1	45.3

